

Re: Formula for pagefile

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.perform_maintain/2004-10/1933.html

From: Peter (*noSpam_at_dotnet*)

Date: 10/15/04

Date: Thu, 14 Oct 2004 20:27:27 -0400

David, the system wouldn't let me leave a blank for maximum – here is a pic of the applet

--

Peter.
Toronto, Canada.
Windows XP Home SP2.
P4 Dual HT @ 3.0ghz, 160gb HD, 1.0gb DDR.
"Peter" <noSpam@dotnet> wrote in message
news:%23nuq9rksEHA.636@TK2MSFTNGP09.phx.gbl...
> My settings were at around 1533mb for a 1.0gb DDR (around the 1.5 mark) so
> you say set a minimum but no maximum? I'm off to defrag as we speak.
>
> --
> Peter.
> Toronto, Canada.
> Windows XP Home SP2.
> P4 Dual HT @ 3.0ghz, 160gb HD, 1.0gb DDR.
> "David Candy" <david@mvps.org> wrote in message
> news:%23w3sCQjsEHA.2800@tk2msftngp13.phx.gbl...
> I don't believe that system managed is the best choice due to
> fragmentation
> issues. A good sized minimum and no max is the best but you have to
> defrag
> before setting the minimum (else the fragmentation issue isn't addressed).
>
> Fragmentation isn't that big an issue in itself but as it's the swap file
> the memory used by windows to manage the swap must stay in memory and each
> fragment requires extra memory so windows can find it. That means less
> memory for your programs which will force more paging.
>
> Likewise each Fat32 disk takes up enourmous amounts (20 meg for a 40 gig
> disk) of non pagable memory while an NTFS disk uses 200K of memory,
> 1/100th
> as much.
>
> I don't like air conditioners. I choose where I live in Winter and was
> just
> to taken with all that sunshine flooding in. I leave the window open
> 24/7/365. I sleep on top of the bed and only wear a T-shirt all year round
> (with a light jacket if I go out at night in winter) It wasn't till after
> I
> paid the deposit that the thought ocured to me that good in winter means
> bad in summer. 5 years ago we had a storm (which is why a minor hail storm
> is now big news) with baseball sized hail. I was trapped outside as I had

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> just left the supermarket - I was 20 metres away from it - and it started.
> I
> was pressed up against a wall, with every car alarm going beserk, being
> hit
> hit
> from the ribcage down, the ice was shattering and sending ice shards
> flying
> so I had my hands over my eyes protecting them. And it took an hour or so
> before I would trust that it had stopped to go the rest of the way home.
> It
> took many years before Australia could make enough roof tiles to repair
> the
> damage. My window was open about an inch at home (I lived on the ground
> floor then so I closed my window if I wasn't home) and the ice had
> shattered
> and come in and my bed was covered with about 6 inches (150mm) of ice. The
> bed was very cold.
> --
> -----
> <http://www.uscricket.com>
> "Peter" <noSpam@dotnet> wrote in message
> news:OVqrC%23isEHA.1452@TK2MSFTNGP11.phx.gbl...
>> David, Firstly (re: Pagefile) is "System Managed" Ok for settings?
>> Secondly, get yourself an air conditioner. If I recall last summer in OZ
>> was extremely hot.
>>
>> --
>> Peter.
>> Toronto, Canada.
>> Windows XP Home SP2.
>> P4 Dual HT @ 3.0ghz, 160gb HD, 1.0gb DDR.
>> "David Candy" <david@mvps.org> wrote in message
>> news:OijBmyisEHA.2548@TK2MSFTNGP11.phx.gbl...
>> I'm in Sydney and it's been 37/38° (100°F) already, can you believe that.
>> I've only seen snow once in my life. It's cool now but inside is still
>> hot.
>> I sat in the rain last night at 3am to cool down.
>>
>> Sydney: Dry, mostly sunny. 23 (73.4°F) is
>> the
>> max today thankfully.
>>
>> Conversion is from the updated calculator from
>> <http://www.microsoft.com/globaldev/outreach/dnloads/downloads.mspx>
>>
>> While we don't get snow (except this year it did snow, a couple of
>> flakes,
>> in sydney near the mountains) we do get hail
>> <http://www.smh.com.au/ftimages/2004/09/06/1094322704029.html>
>>
>>
>> --
>> -----
>> <http://www.uscricket.com>
>> "Sheila" <Sheila@discussions.microsoft.com> wrote in message
>> news:34D04A0C-0179-4A04-9929-F8740A5F2A4A@microsoft.com...
>>> David,
>>>
>>> Thank you so much for your suggestions, I will give it a try and let you
>>> know how it goes...that's if we don't get snow bound tonight..it is
>>> North
>>> Dakota and they are forcasting snow already...can you believe that?
>>>

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```
>>> Sheila
>>>
>>> "David Candy" wrote:
>>>
>>>> The important thing is to set a large minimum (100MB sounds fine but
>>>> tailor it to yourself).
>>>>
>>>> With no swap file and same memory as you I can open around 34 programs.
>>>> But if you use large data sets (like video editing) 1 Gig may be too
>>>> small.
>>>>
>>>> The critical thing is to set the minimum to the maximum that you,
>>>> personally, actually use. You don't want the swap file fragmented (each
>>>> fragment chews up real memory so 2 fragments is unimportant but 1000 is
>>>> really bad).
>>>>
>>>> But you must make this minimum unfragmented. Set swap to nothing,
>>>> defrag
>>>> (you should have enough real memory to do this, if not set a small
>>>> swap),
>>>> then set the minimum size to what you observe the largest size it grows
>>>> to in normal use (hidden file called c:\pagefile.sys).
>>>>
>>>> I use a 768MB minimum so it never needs to grow at all. I never use
>>>> anywhere near that. If I was you I'd set a 1 gb minimum (you seem to be
>>>> able to afford it - might as well give it to the swap than having it do
>>>> nothing) and no maximum for that day you need to open a large file or
>>>> 300
>>>> programs at once. I personally do set a 1 gb max but that is from
>>>> habit.
>>>>
>>>> Setting max to 0 is a bad idea and will slow down the computer. It will
>>>> force windows to page out code it's using and keep data that is not
>>>> being
>>>> used - the opposite of what you want.
>>>> --
>>>> -----
>>>> http://www.uscricket.com
>>>> "Sheila" <Sheila@discussions.microsoft.com> wrote in message
>>>> news:763487BB-13C0-42A5-A626-26D56DB6AAC9@microsoft.com...
>>>> > Thanks everyone for your help..
>>>> > considering that I have 512MB ram and 75GB HD would this setting work
>>>> > out ok?
>>>> >
>>>> > minimum 100MB
>>>> > Maximum 1GB? does the maximum matter?
>>>> > I read that article that will suggested and from what I understood,
>>>> > those
>>>> > settings would be ok..any suggestions?
>>>> >
>>>> > thanks again...very much..
>>>> > Sheila
>>>> >
>>>> > "David Candy" wrote:
>>>> >
>>>> >> The formula is 1.5 times physical RAM. But it's just something
>>>> >> picked
>>>> >> out of a hat, nothing magical about it. If it's too small you won't
>>>> >> be
>>>> >> able to open anymore programs (without closing some) when it's
>>>> >> filled
>>>> >> up. Windows requires 1 and a bit times RAM for full functionality
```


M_M.+_GSMO^_0K,Q1BCE0<II_VG%_SYVW_?H4?VG%_P`^=M_WZ%9F*,4<J#E-
M/^TXO^?.V_[]"C^TXO\`GSMO^_0K,Q1BCE0<II_VG%_SYVW_`'Z%']IQ?\
MM_WZ%9F*,4<J#E-/^TXO^?.V_P_"0I/[2B_Y]+7_`+]"LW%]BCE0<II_VE%_
MSZ60_?H4?VE%_P`^EK_WZ%9F*,4<J[!RFG_:47_/I:_]^A1_:47_#Z60_?H
M5F8HQ1RKL' * : ?] I1? ^ EK_WZ% '] I1? \ / I : _] ^ A69BC% ' * NP < II_VE%_SZ60
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M>'9(E'FW.C1L>J^1,V/Q6,@_@2*YSPJ/^*OT7_K_`(/_`\$8M=OIVK6L#1S7T
M+7*1PGRXAT9\<;O:N'%5)PE:"Z?UN=>'HPFKR,5M'B09:_T4?] NUQ_\`&JIO
M830>VMM:06%V+DL(I88\ (=HR^=P!7: .3D#CGI77ZM(;OP7+J-)IMK87'G(+1
MH\$KSE/WOE[@#G-86@-@Z:WI-JI_\DXZYI8N<:,JG5<W:VD6^G];G1!'!TY5(
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M+B7'J/,N6WI_P3ZR'#> <_9OFYNU_P`=MCC+;Q+?^!M=@+2*U@Y\$DL=NQ:*>
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MAWM+C:\$RPS[YP/K5C_A6'B3_\`]^M+[_^R?_\`Q%'_\`K#Q)_S]:7_--_9/_B*
MA2RI*WM/ZLUV[-EMX]N_)_6GGY%(^)+==&PMG=MJ#^&TT(Q800H<D&0R;MW0
MYVA.HQGO5;4[N37M<T0:9#/'<VMA:6,3L50F="_*\$'@9<8)P:UO^%8>)/^?K
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M2?_\`/UI?_?V3_P"(H_X5AXD_Y^M+_P"_LG_Q%']KX'_GX@^H8K^4XSR/>D\F
MNT_X5?XD_P"?K2_`LG_`,12?*\O\2?_\`>E_]_)/_B*/[7P/_/Q!]0Q7\IQG
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MZABOY3C/)H\FNS_X5?XD_P"?O2_`DG_`,11_P`*O\2?_\`>E_P#?R3_XBC^U
M\#_S\0?4,5_*<9Y-'DUV?_"K_\$G_`#]Z7_W]D_\`B*/^%7^)/^?O2_\`OY)_
M\11_:`^!_Y^(/J&*_E.,\FCR:[/\`X5?XD_Y^]+[_^2?_`!%'_K_`!)]_S]Z7
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MK_VE'77ZIJ\$6DZ1>ZE<*[OVD#SR+& 6*HI8@9(&<#UKY3-/) \J>IU83^# \$MT
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M\$S;([IKE!\$[<\!\X)^5N,]CZ5'J.OOV5MI\UM;3;E_:\$HCMELVCF9C>3<=&=
MU7;M1CG/IB@#6HK"_P"\$D(U'3;&739K>>\E"/'/\$7A!CG<\$A&?.?LY)!W!
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M['83^4;>\ED@6.99`54*@R[QG>& 90<<8W84SQ>*/#\]I<7<.NZ9);6VWSYD
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MR6 `6LG_`(3*TAFU6UN[:.:\TR*-I8X\,MQ(R*WEVY.#(P,D:X(4YD08^846
M`Z2BN7T_QQ9ZD(IHM-U!+)VMXS>2"+RT>>.-XT(\$A?)\Z-<A2 6ZX!-;6DZE
M_:5H[O%Y%\$#*T%Q!NW>7(IP>>E2,,I(!*LK8&<46 04444`%>%`!1110`4
M444`><?&S_D1X/\K]3_`- >BD^-G_(CP_\`7\G_`*]%?791_NB]6>?6_B,
MO?`C_D5)O^OK_P!I1UTGBBT>_P#"6M6<9Q)/83Q=C-RT; <*"QZ"]?0&N;
M^\$_`*<W_7U_P"THZ[.[+B)`DAC9Y8TW* 2`SJ#C((Z\$UX.9J^-J+S-`*[4
M(^AP-RK^,[JW34;%X)E:.-+9["[-N\N(9IO,EE@1<LL`55(`SG);> NU?`
MA6[NKC4[F"[^S7-S?B2*>"0I(MN)O#!,NX#(;,"Z@<;TB)Z8K*L_&NHZAO`
ML6CZI<[;_]E1]N>F<0<=#^55?`A8[?`^EY_P"!47_QFC^S<1>R2^]"^MTN
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M_P"P4=(9IO*O[*9D@B:5]B743,0J@DX4\$`]*Y+`_(6.W_/I?>`\@5%_9H_
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MP\98\$@D84YR!CEO^%CM_SZ7G_@5%_P#&:/`A8[?`^EY_P"!47_QFG_9F)[?
MB'URCW);CPEK2W7]HWDR3/90;S,;VXN&NY4N+><\$0;"(`WV<@K%NQO `;: 6
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MY59%)6U>+;!@JQ#NI]. ,@]*Q/^%CM_SZ7G_@5%_9JU!XUU&ZG,%OH^J33!!
M)Y<<J,VP@\$-@09P01S[BD\MQ"W2^]#6+I/J3:WX`^WVKQ:=]BT_37M1;B.* /
M;Y>8;U&*HH ^]=H<9&<-TXSL^&]\$GTVXO+JZ@2&:X6./`U&XOF*H7(S)-@@9
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MF<7;+=0S&20^4GSJ(G"Y#9,K<KSF.7PSKFHVT=QJ4%E_-D-TERTEMJD\?VC]
MW+'Y8D6-7@1/-)55WY^8-DNSG/\`^%CM_P`^EY_X%1?_`!FI8_'US+Y7EZ=J
M#^:_EQ[9XS0?CY1^YY/S+Q[CUI_V;B5T_\$/K=+N;LV@W-MX+%C;0HUW!..M^E
MNSDN)94N!<>7YLI+&LPVF1NY+;0/E\$EIX>M[S4Y]7N5RLM^E];*8RK;/LT,>
MR174\$8>-9-09HXR=5P,A_%FL13Q02:#K*339\J-F4,^!D[1Y&3@=<5 OCF]>
M6>)*U(R6ZLTR'9,QA?O%AY'`'?/2I678A[]?>A_6J?](9H?@34--EMA+:Z0
M)HVLG_M6*1C<QK##`CQ*/+!V.877[X^64Y!Y4]9X>@EQJ6HS1/"=20#<#) # (I
M#(BQI\$A(/(+&\$KX(!?M(RIKCO`A8[?`^EY_P"!47_QFC_A8[?`^EY_X%1?
M_&:K^S,3V_\$GZY1[GI5>:~+;_]]+S_P*B_`C-'_`L=O^?2\`"HO_`J+`
M`. ,TOI+Q;/\1_7*7<]*HKS7_`_(6.W_/I?>`\@5%_9H_X6.W_/I?>^!47_QF
MC^R\3V_\$/KE+N>E45YK_` ,+;_GTO/\`P*B_`^,T?\"+;_GTO/_ J+_XS1_9>
M)[?B'UREW/2J*\U_X6.W_/I?>^!47_QFNZT>Z>\L_/=G(<1NH<@E0\2/C(!
MP6/. *QKX.K07--&E.O"H[1.`^G_`"(\/_7\G_H#T4?&S_D1X?`K^3_`- >
MBOI,H_W5>K.:M_\$9>^\$__(IS?)?7_M*.NSN_N0_]?,'_`*-6N,^\$P#R*<W_
M`%]?^THZ[.[^Y#_U\P?^C5KP\Q_WZ?J:X;^ 00\9\@ZGIEC%:36R&V1UFCFN

M\$AR[.QWC>0&RNQ<CGY,'`VYHW7_'O8_\>W^H/^I^]_K'_P!9_M?^R[:]_P#^
M\$;T+_H"Z=_X"I_A1_P` (WH7_`\$! = ._\`5/\`* [UF<%]DYG@I/J?.U%?1/_-
MZ%_T! = ._\!4_PH_X1000^@+IW_@*G^%7_:L/Y63]1EW/G:BOHG_A&]"_Z NG
M?^ J?X4? \ (WH7_0%T[_P%3_"C^U8?RL/J,NY\ [45]\$_ \ (WH7_0%T[_P%3_"C
M_A&]"_Z NG?^ J?X4?VK#^5A]1EW/G:BOHG_` (1000\`H"Z=_P" J?X4? \ (W
MH7_0%T[_` ,!4_P`*/ [5A_*P^HR[GSM17T3_PC>A?] 730_ 5/\`*/^\$;T+_H"
MZ=_X"I_A1_:L/Y6'U&7<^=J*^B?^\$;T+_H"Z=_X"I_A1_P` (WH7_`\$! = ._\`
M`5/\`*/ [5A_*P^HR[GSM17T3_` , (WH7_0%T[_` ,!4_P`*/^\$;T+_H"Z=_X"I_
MA1_:L/Y6'U&7<^=J*^B?^\$;T+_H"Z=_X"I_A1_PC>A?]`730_ 5/\`*/ [5A_*
MP^HR[GSM17T3_P` (WH7_`\$! = ._\`5/\`*/^A&]"_P"@+IW_` ("I_A1_:L/Y
M6'U&7<^=J*^B?^\$;T+_H"Z=_X"I_A1_PC>A?] 730_ 5/\`*/ [5A_*P^HR[GS
MM767<O]NSAI-.O&N]/MXY?M%V"DC*L6X>8C@!@T9/S,,X[Y&?7?^\$;T+_H"
MZ=_X"I_A1_PC>A?]`730_ 5/\`SGF4).+_7](J.#DNIX_8K;6VMQS17-H+.
MVE221&N>;5R\$,DD(+8D(96"X\S.P9#94FFA\KOKQY[BV=KB"-(I4GWROAH_W
M+(3E54(3G:.4?#%2`?;/^\$;T+_H"Z=_X"I_A1_PC>A?]`730_ 5/\`G^T(=G
MT_ KZI+N?/KO:&S14@G%T^>0S H1SP\$VY!Z<[CT/KQMV]U+;:-H-Q)KMMUK
MJ\$DB)+,'`I3Y94LBDN%W(Y.!_P"A#/L__-Z%_T! = ._\!4_PH_X1000^@+IW
M_@*G^%5+,J<OLLE8.2ZGC\$]K%OA2\$:=;73[O.M([TF":-2C*&D\p@\$G>2"XX
M08P2-VI)-IMW\$MK]B>%9T^V.UQL: "-88D'E88"781,%XD/'??EO4_\`A&]"
M_P"@+IW_` ("I_A1_PC>A?] 730_\`P%3_`_`J'CX/HREA9+JCYVHKZ)_X1000^
M@+IW_@*G^%`_\`C>A?\`0%T[_P`!4_PK?^U8?RLS^HR[GSM17T3_` , (WH7_0
M%T[_` ,!4_P`*/^\$;T+_H"Z=_X"I_A1_:L/Y6'U&7<^=J*^B?^\$;T+_H"Z=_X
M"I_A1_PC>A?]`730_ 5/\`*/ [5A_*P^HR[GSM17T3_P` (WH7_`\$! = ._\`5/\
M*/^A&]"_P"@+IW_` ("I_A1_:L/Y6'U&7<^=J]M_-?\` ('A_ZXV_I/%6Y_P
MC>A?] 730_ 5/\`J111PWE]#\$BQOI*BHBC 4"*/ `["N"'8R.(@DE:QT8?#N
ME*[9Y]);//^!A_Z_D_\`0'HI?C9_R(\/_7\G_H#T5[&4?[JO5DUOXC+OPG_Y
M%.;_`*^O_:4=G=<A_Z^8/_`\$;M<9\)_P#D4YO^OK_VE'79W?W(?^OF#_T:
MM>'F/^_3]37#?P%Z&]1117*;A1110 4444 %%% !1110 4444 %%% !111
M0 4444 %%% !1110 4444 %%% !1110 4444 %%% !1110 4444 %%% !111
M!6(/^OCJ/_7=?_125MUB#_D(ZC_UW7_T4E*7PL.J//C9_R(\/_`U)_Z]%
M)\;/^!A_P'OY/\`T!Z*^GRC_=5ZLXZW\1E[X3_BG-_U]?^THZ[.[^Y#_U\
MP?\`HU:XSX3_`/(IS?\`7U_[2CKL[O[D/_7S!_Z-60#S'_?I^KAOX"]#>HH
MHKE-PHHH **** "BBB@`HHHH **** "BBB@`HHHH **** "BBB@`HHHH **
M** "BBB@`HHHH **** "BBB@`HHHH **** "BBB@`K\$'_(1U'_KNO_HI*VZQ
M!_R\$=1_Z[K_Z*2E+X6'5'G?QL_Y\$>'_K^3_T!Z*/C9_R(\/_`%)_P"@/17T
M^4?[HO5G%6_B,O"?_D4YO\`KZ_]I1UV=W]R'_KY@\`1JUQPGP_`.13F_Z^
MO_:4=G=<_A_Z^8/_1JUX>8[_]/U-L-`7H;U%%<IN%% !1110 4444 %
M%% !1110 4444 %%% !1110 4444 %%% !1110 4444 %%% !1110 44
M44 %%% !1110 4444 %@_Y_.H_] =U_]%)6W6(/^OCJ/_7=?_124I?"PZH\
M\^-G_(CP_P#7\G_H#T4GQL_Y\$>'_`_D_P#0'HKZ?*/]T7JSBK?Q&7OA/_R*
M<W_7U_[2CKL[O[D/_7S!_P"C5KC/A/\`BG-_P!7_M*.NUN(FFB"HX1U='4
MLNX95@W(R/3UKPLR=L=-^9OAOX\$?0W**Q);[4((GEEN[&.-%+.[P,H')]/F
M<"HK/6+C4(C+9:EI&S&VEX8RX!ZXR).O(._N;2U^GS-;ZV.@HK^TZG_P`_
M%G_X#-_\<ID=]J\$REHKQ=0Q4E&(R"01_K.H((/N*5X]QZ]C;HK^TZG_S\
M6?\`X#-_\<JH=;N%NWMFO;,2)M#DVDFQ68@*I?M#<N%SD[@<<TU:6WZB;M
MN='16#;ZE?7EI#6]U90#,BR1M]E<94C(. "^>AJ;[3J?/_Q9_P#@,W_QRAM
MV;#5FQ16)%?:A/\$DL5W8R1NH9'2!B&!Y!!\SD4_[3J?_`#6?_@,W_QRE>*Z
MCU[&Q17/V>K7E_\$9;:YMGC#;0YLY%#]\J2XW* < , , @]C5C[3J?_`S\6?_@,W
M_P`<INR=F).^J-BBL?[3J?\`S\6?_@,W_P`<J%M2OENX[5KJS\$TB-(B_97Y5
M2H8YWX+K^=" :>S#4WJ*Q_M.I_\`/Q9_`S?_'9'? :A,I:*[L74,5)6!B,@
MD\$?ZSJ" "#[BE>/<>O8VZ*P;K4KZSM)KJXNK-(84:21OLKG"@9)P' ST%3?:=3
M_P"?BS_\`!F_`.4[JU[BU-BBN?AU>ZGLH+Q+ZQ^SSJC1NUNRA^<-O5^IR`!UR
M:L?:=3_Y^+/_` ,!F_P#CE#LMP3N;%%8_VG4_`?BS_P# 90\`XY1]IU/_`)^+
M/_P&;_XY2YH]QZ]C8HK^TZG_P`_%G_X#-_\<H^TZG_S\6?_`(#-P#'. :/
M<->QL45C_=3_P?BS_\`!F_`.4?:=3_Y^+/_` ,!F_P#CE'-N&O8V**Q_M.I
M_P#/Q9_`^`S?_`!RC[3J?/_Q9_P#@,W_QRCFCW#7L;%%8_P!IU/\`Y^+/_P`!
MF_\`CE'VG4_`?BS_`/ 90_CE'-N&O8V**Q_M.I_\`%G_P" S?_\`QRC[3J?_
M`#\6?_@,W_QRCFCW#7L;%%8_VG4_`?BS_P# 90\`XY1]IU/_`)^+/_P&;_XY
M1S1[AKV-BBL?[3J?/_Q9_P#@,W_QRC[3J?\`S\6?_@,W_P`<HYH]PU[&Q16/
M]IU/_GXL_P#P&;_XY1]IU/\`Y^+/_P`!F_\`CE'-N&O8V*Q!_R\$=1_Z[K_Z
M*2G_`&G4_P#GXL_`&;_P'.5'#'*LD\LTB/),X<[\$*?*J]"3_=]:4I*VC!
M7N>?&S_`)\$>'_K^3_T!Z*7XV?\` (CP_]R?^@/17U&4?[JO5G'6_B,N"?)_`

M`)%. ;_KZ_P#:4==Q(Q5,J 3D`9]SBN'^\$_\`R*<W_7U_[2CKMY?N#_>7^8KP
M,T_WRIZFV\$@Q,W7X)I?#.JQ1^9-*]E,JHJY+,4.`!G/M6?J5E?P6\]S-/Y
MT]SY4\$LU! ,HABONRL(XY/,8EFGV:PX8'&%.>EHKGIUW!)+O_E_E_F:RIJ3N
M>?7=Q?IX>NYM1EU53%9S?8I84N(B'628!G"G<!L\$!!E)XR<D[C5UK?5'36KE
MFU,3VT\$LEB!+*%,@GN2N\$!VO\HBX((QM&,&NLN+&SNY89;FT@FD@;="\D88Q
MG@Y4GH>!T]!5BNB6-5O=CK>__ 7KU]3)4--6<FDLL?B&P6>34%0)-0G60\$S"
MW:'RYC&!_P`LB=HC/' .0<\YJ66RN([W5;N%;Q9I-3M%78\@5HO\`1MY"@[2,
M!P6QT!! ,UOI8V<=[]>I:0+=R+M><1@.PXX+=2.!^0JQ6<L3[R<5TM^_ _NZ>
MA:I:6?`6EC@]'MM8BDTM)9KR QQ6JQ0"UE(\H11^8&;>(E.?-!WJ7';)V"M
MW5/M/_ "0V7E_:9X_D`V>/SHD3YSND,J?(V !^[?KC@\X;?HHGBW.?,UT_KS_
M`%WUU"-&RM<X:U_M&6WA\O\`M>'5HM.7;YOGF.>X-OQNW?NE`)YSR7'. ,?/M
M>&8[E/M7F7-S/ =FSS[>:+#<[L>>[2`C;Z+Z<[JWZ**N*<XN-K7_`* [?=VUZ
M!"CRN]SC;*R:PT30XKI=52S-GNN\$A>X:1)]L8480EU4`2?*,#*U<&5I^&X-3
MWW-QJTMR;D>4GENV(P?(B,A4#@Y?=R,@'\$&,MG?HI3Q3FFFM_P#._P#P'Y6"
M-)1:\CC;H:J9]3%JUY*Q;YKHK<1B*/SE!C6\$D*Y\$8?#Q\$,=09F#-5>VU@1QO
M;S7D@\$4RK.]K*I2(RVV\!6<RDX64C+!S@[,`*:[RBKCC7&UH_P!6M_5M/(ET
M\$^IQMNETD4 OY]5FTS+=AH8;F*0-^[V#`9I]O^NY<XSVQLILUI=V]G<0P-?0
M2-J,LEXP2XD40L\S1F,(P)R3'GRB",_-W%=I12^N/M_7W6O^MGT' [%?U_7]:
MG!ZG!>R:%=07QU6XWZ>ZV7DQ3J7D)EX=4+'&WR0/-))&<[\ZZ+6_:[3[1]N
M_L_9)YGV+S=_FY39GROGQM\S_9Z9YVUM44I8IR:=MK_CV[=_4:I635^QQ&BV
M>IPZ)&SG4\$DCET^*. EE"1[;;S<+Z<.&SD##=,MFW<6^MBQN8TGG!LE2UCD&
M]FFC,BL\K \$%V\$(490AM_FA>=IKK**;QC<N;E6]_R_KYB5!)6N8_AV.Y739%
MGN+B53*?)>:%XV'X'&)6:3&[=RYSZ#;MK5V-_P`]7_(?X4^BN:I/GDY=S6,>
M56&;&_YZO^0_PHV-_P`]7_(?X4^BH^&;&_YZO^0_PHV-_P`]7_(?X4^B@!FQ
MO^>K_D/\`*-C?[\]7_`"'^%/HH`9L;_GJ_Y#_"C8W_`#U?\A_A3Z* &;&_YZO^
M0_PHV-_SU?[\`(?X4^B@!FQO^>K_D/\`*-C?[\]7_`'^%/HH`9L;_GJ_Y#_"C8
MW_5_P`_A_A3Z* &;&_YZO^0_PHV-_P`]7_(?X4^B@!FQO^>K_D/\`*(RQ#*V"
M5.,CO3Z8GWY?)[^@H\$>=_&S_) \$>'_K^3_T!Z*/C9_R(\`/\`U_)_Z]%?791
M_NJ]6<%;&^(R(\`)_`^13F_Z^O_`&E'7;R_<'^\O\Q7\$"?_D4YO^OK_P!I1UV\
MOW!_O+_ ,5X&:?[Y4]3?"?P8CZ\^M_\$>J:%X/TC7[Z^FU;^T+`SRP3K%%Y<BV
MDEQ\C1H,?*+92&#`YE((VD-Z#6%;>#M\$M+":QCMIGMI;5K,I/=S2[(6&&C0N
MQ,:D`9"XSM7^Z,<*,@J?`))=6^MB"]L7@B9;02J9U86_GR7"1DA5R7+I\$C ,
MR@OD"EFHS?`\$0& VNB75TDD`O#Y"32L]N\CB%D\$<3#>Z1EMLACQN W?>*)1
M=Z-87WV[[3!O^WVHM+GYV^&^(\;+P>/\`6/R,'GKP*CU#0=-U2X6:[A=GV^6X
M29XUF3).R55(FB<M^K@CYFX^8Y- +=O+<2372S6WDOQRA87\p-YR;%);`^[\
MQ9<'^[GN*GJ`WL(>UFNIH8]LEU*)ICDG<X14!YZ?`BCCT^M3TAA1110`4444
M`%%%% !1110!FZ]J\$NF:7Y]NJ&:2>"VC,@)56EE2(,0"0I?>C(SC&1G(CAM
M=1TN%V%]>ZQ))+\$NRZ,\$?E(7`=@4C3.%);!SG8 ,9K2G@BN;>2WN(DEAE4I)
M'(H974C!!!X(([5FP^'-AA>\$F]GC:6*;%U?SSX>)PZ\$;W., ,>,9P,YI@:U
M%%%(`HHHH **** "BBB@`HHHH **** "BBB@`HHHH **** "BBB@`HHHH *8
MGWY?)[^@I],3[\O^`_04`>=_&S_D1X?^OY/_`\$!Z*/C9_P`B/#_U_)_Z`]%?
M791_NJ]6<%;&^(R(\`)_`^D4YO^OK_`-I1UV\OW!_O+_ ,5Q`PG_P"13F_Z^O_`
MVE'7;R_<'^\O\Q7@9I_OE3U-L)_!B/KSZ6?5/#4Z03/YNKW?E1PWDM]<7,\$H
M-S!#)([L61(F_?JRI&2!\RA@!\WH-84W@WP_)ITUA#I-E:VT\L,DZ6UM&@F\
MJ02*K@+AER,\$`L3TS7"CH,F?Q`K0:XTJU2&YUJVNFC;R+,%)HEBBD9PCSH\$P
M;B)?]8Q/4#!.UEIXQU`_T&_\1QPVL5AI]F)Y+)E9Y9F-HEQ@3;@\$'[U5_P!6
MWW2?XL#I)/#NB2Z;#ILFCZ>]A"V^ .U:V0Q(W/(3&`?F;G'<^M2)HFDQW=M=I
MIEDMS:Q"&WF6W0/#& 0\$1L95<\$C XY-%T!F>&]3UF\N+RUUJS2":%8Y\$(\$<;
M,KEQS&DTI !3ABPW9(^4DXT7B_6I;F1H=/^T6<]J^HV,@M@K3VT<D6Y459G
M9W:.7Y=RQ?-MRO)"]?I^EZ?I-NUOIMA:V4+-O:.VA6-2V ,D* ,X`Y]J9;:)
MI-E?S7]IEE!>3[O-N(K=%DDW')W,!DY(!.)%P.>N?\$FJW-N#I\$*2S74\KV
M,:VPE,EI&%1I3NFB7!D8%6#G*.A"G+%>>L?%;W^N)JYB\B22PE%M%EIOWD\6
MF-&F`RC_`%DP7@QKW.W+-7H5SHFDWMA#87>F64]G!M\JWEMT.:/:,#:I&!@\$
M@8[4+HFDI&T: :99+&T1A91;H`8RJ4(Q)TK&BXZ811V%T!Q#EJ7B#6?#EI"
MWV73M3L8+V"9KFT\Q74_8I 1&DY"G\$BC_6-]W/&<+4TSQ5J]W=7#Z+INZYU6
M5;]EVI-Y2"RL<KAI80>9A\V[^'[ISE>W/A#PRUNENAWA2#`C,ZQFRCVJS !B
M!MP`OJY/? :2K=YHFDZC&\=]IEE=1R2B9UGMT<-(%VAR".6V@+GK@8IW0%?1
M]3N-2\N:4V21RV%M<B"&<2R1O)O+99?E9.%"L.I5_:M:HQ!\$MP]PL2"9U5&D
M"C<RJ25!/4@%FP.VX^M25(PHHHH`CGC:6WDC29X7=2JRQA2R\$C[PW C(Z\@C
MV->=ZMJNOI\)--N+);UVDT+S[K4(98_.B80*P),C`_,2277<P"D` ;F#+Z)!
M%<V\EO<1)+#*I22.10RNI&" "#P01VJ"'2]/M)-.FPV%K'8%60VJ0J(BK9W#8
M!C!R<C'.333\$<IJ6K:]_PF&@J^FZA:Z>]X(PB2P%9MUK*S>;B3=E&_A V_NV

M` (BC^R&_Z"5Y^47` ,11_7]:!J4[, [H9'VLH>>5P&4J<&1B.#R.#5BH+0N8G
M#R&1DED3<P`) "NP&< #H!4]82^E1V04445)04444 %%% % !1110`4444 %%
M%% !1110`4Q/OR_[W]!3Z8GWY?`>_H*`/_._C9_R(\/_`%)_P"@/11\;/\`
MD1X?^OY/_0'HKZ[*]/T7JSSZW\1EWX3_`/(IS?`7U_[2CKMY?N#>7^8KB/
MA/\`BG-_P!?!?7_M*.NWE^X/Y?YBO S3_? *GJ;X3^#?7&:WKVKZ5XMN#;K]
MKT^&PMU^PY2/=<R3+\$WF\$%O% '%CH/-W' 4Y[.H\$L[=+^: ^6/%S-\$D,CY/*
M(7*C'3@R/^?L*X4=)PL'C.^T+P[\$^IM_;%S:RW@OYXXG20117\$D:OY<43(NY
M8VQO:-<J?FX8C9UOQ)=65GK,2V+I<: ?9S7<LB3J L.QS\$Z\$JV78H1M9<*4?.
M0\$`RW>>#M\$O8989; :98YO-\X07<T/G"1V=U?8PWKND<A6R!O; &35&Y\)75Y
M=S^?<:8UG/+,9D^Q3">2*4;9\$:87'.4"KR-HV(OHV* :"*\WC>[MUNII-)A^
MS0?;9MRWA+M;VDOES-M\O ?)4JF<')RZX&;&I^~?[.T\$ZI_9_F8NKZW\OSL?
M\>RW#9SM_B^SXQCC^WQSJR^&M(FAEADM,QRQ74+CS'Y2Y</,.O\`\$P!)NV*@
MO/!VB7\TLES;3.LGF[H1=S+#F1&21A&&!"F61\L`#EB<Y.:-`(+/Q--OJZ:?
M?:=# "QNC8N%\T9<7'D?`:`"BY3RL?-P=WR[<?-53Q%XNETV75;5;=(!:V<TJ
M2S7\AFG983)FV5HF24+P"<G:<[EQC=T/]C6'VW[7Y'[_`.U?:]^]O];Y/D[L
M9Q_J_EQT[XSS5>]\-Z7J4US+>Q37'VB)HGCDNI3&JLA1BB;MJ,5)&Y0#AFY^
M8Y- ,K4?%M]I= SJ(GTJ;VM=B++:W+RMYLDB)%&Z"(\$,PD#\$)YC*`.#N3=#
MXIF/A+5=:N-*F@ET^*:1H)%DC6;9'O\`D,D:/M.<9*#D-@\$`\$VT`*Z2ANL1W
M12Z9Y)(VO9C&KM)YA=\$+[8WW_,&4`@`@BK=MHUA:6\$UDL`FP3[O/%P[3--D;
M3YC.27^4! ?F)X '0'4: <?<:GKGAS6_(^TOJMO;Z=;K+ "^V,S7D\DX67<<E0
MTL:1A!\JB8'A4K&@>*(8[[S]4O;IM+M9'EN8[>U2W+)=7<>^X4CS-A6!,B
M'+85L2,1GT72=(7345Y)GNKL01VSW4A8O+%&7,>_)(+@.VYN-Q).`, 5'\':
M)<O.;:8-)N\U%NYECF#2/(5D0-M=2TLAVL",,1C'%Z`C@O+VSUO5-.AC>^
M"M:W<O>7:8HIY&2l<MDD(8I)!ST8(`HKH:R4T&WDDO)KYOM4MS=17&[!7RQ
M\$RM`B\YVJ5#8S@LSG #%:UJD9!=_<A_Z^8/_`\$:M4?B%<V-IH5A<7]Y':I'K
M&GNC27'E*2+F,MGD!@\$#M@Y V[OX<B]=_<A_Z^8/_1JUO5M#X2'N>;ZC9:78
M_\$"> \<:'J&I76H6K18W.G?Z>@*PQ>9#*7R8XP1E)5"!LD&X\$SKEZC):6UW>/
MX50;2&.2W1;V>UC=9+0&XMEE:_.S&EV-.P=C%)&%GYW9=?7*#HF_!5S#-H
MTUO:1Z;]CM+AHK>XTN\$16MRI57+Q(&8`!G=#AF^9&.0<@=)110`4444`8-I]
MR;_KYG_] &M4]06GW)O\`KYG_`/1K5/6,_B8X[(****DH****"BBB@`HHHH`
M****"BBB@`HHHH`*8GWY?`>_H*?3\$^+_O?T% 'G?QL_Y\$>'_K^3_T!Z*/
MC9_R(\/_`%)_P"@/17UV4?[HO5GGUOXC+OPG_Y%. ;_KZ_\` :4==O+]P?[R_
MS%<1\)^_13F_Z^O_`&E'7;R_<' ^\O\Q7@9I_OE3U-\)!B/K.O-<TZQN/L\T
M[&<#<8H8GE=1ZD("0/<UHUC^\$(\$DT6*X)W7,S,UTQZ^=D[P?H<C'H*Y(133;
M-I-R-WLC1L[VVU]W\$]I.DT1)&Y#T(Z@^A)JGK+>..W\9.EL<>;9>9=(O0,' C)
M]R#]_P\^BN9B;5]US(L\4U]J9M7N1(E_<7"W<44D7GD6YPD4K*X\M\$RH)VY
M"CE3C9Z#B[K4]JBN,U#Q/JR6#ZG;QPP:,99G&HM:O<B*WC"JKM\$DBLRR-YC+
M(A8", (2, ,66I%K7B"QTLFW*7\U]K=Y:6:>3NDA5);ECNWS(L@VQ;0-T>T?WL
M`&;#. ^HK@4\6>())&CT^W,*VL,T3Q^:QFGNY;4-N24JH4QJYCRQ^F\F\$;AK
M3:_J#>%!>PBU2_\` [173B[QLT6[[8+9I-@8'!Y8+NXR!DXR2P'445Q,?B[4(
M@ZWGV5GF6ZBM3#;MD3P7"6H!4R88222*0-R!!P6/WQ' IWB/Q+JFJKH^RRT^
MA^T?:'NK,R;MBVS+A(YR\$R+G_GH_W0>,X!8#NJ*X6/QO?WG]E7]G8[]-G^Q1
M7B^6I^SRW'ED+YIE4G:LT1XA8'IN&3L@E\9:[!9; ;?>597\$>KV"W-I;10,LD
M#R36T:*S-+MDQ]IY_P!7N*]5SP6 !]HKC+#70\$5_=Q:0\5E8:D//>2:>(2C9
M&(" 88YSL8_:!UE/"9Q\XVFE7FI67PS\,R:9;=>(UA:K+)Y7G>1'Y()D\H,K
M2= -JG=V\0&QM)8#L)(HYHS'*BNAZJPR#^%0?V98? \^-M_WZ7_"N+M_\$6KZA
M'<'1+ [3YKJ:=/LZRVDs<+*UI;2>9M,P,\$8,A+=<;E&"[8>_IGB76;WQ"(Y-.
M2/29;RXLXY6, :G="9!N#><6D),3?)Y2X!)W\$)EFKK9A9,Z7^S+#_`)\; ;_OT
MO^%`]F6'_/C;?]^E_P`*M44<TNX<J*O]F6'_`#XVW_?I?*\`/[,L/^?&V_P"_
M2_X5:HHYI=PY45?[,L/^?&V_[]+_` (4?V98? \^-M_P!^E_PJU11S2[ARH9' %
M'##(XD5\$'15&`/PI]%%2, **** "BBB@`HHHH`**** "BBB@`HHHH`**** "F
M)]^7>_H*?3\$^+_+W]!0!YW\; /`1'A_P'OY/\`T!Z*/C9_R(\/_7\G_H#T
M5]=E^`Z+U9Y];^(R(\)^_13F_P"OK_VE'7;R_<' ^\O\`,5Q'PG_Y%. ;_`*^O
M_:4==O+]P?[R_P`Q7@9I_OE3U-\)!B/K-ET=3=27-I>W=C++_K?LSKM<^I5
M@RY]P :TJP+634]>S=6U\UC8L2(!%\$C/(2-Y+ @`]0`,X[UR4U+=.QM*VS-
M6QT^#3T<1&1WD;=)+*Y=Y#ZDG^70=JH-X7TR#3;RSTF!-%-VH22XTN&."7]
M#M(S@D XR,G&#S4UC<WD&H/I>HLDDXC\Z*=%VB5,X.1DX8'&>W(JCH_C'3]:
MT_2KRWANHQJ4Y@CBF51)\$PB>4&0!C@,B;AUR'0]#FE)23U'%JVA)9>;*W^S
M?;9/[3^Q[?L7VRUMA]CVX_U7EQ)MZ+_WR,8Q5^?1-)NOM?VC3+*; [9L^U>9;
MHWG[/N;]CYMO;. <=J?I^J?:JUNUQIM_:WL*ML:2VF610V <\$J2,X(X)Z@M/\$
M6B7]O<W%GK&GW\$-JN^XDAN4=85P3ER#A1@'D^AJ=1DZZ7IZ(J)86JHBQ(JB%
M0%6([HP..B'E1V/(Q4GV^T\GR?LL/E>;YVSRQM\S?YF_] [?\V>N>>M5)/\$6

microsoft.public.windowsxp.perform_maintain: Re: Formula for pagefile

MB1:;%J4FL:>EA,VR.Z:Y01.W/ ?."?E;C/8^E0/XLT& %[K5]/MHBP6*2:\B
M"S QH^Y/FZ8D7K@XP5)0%YM+TIT9'L+5D=9493" I#+*=T@/'1SRP[GDYIE
MAHFDZ5C^SM,LK/&['V>W2/&[;N^Z!UV)GUVKZ"BYUO2;*_AL+O4["*\GV^5;
MRW"+)N.!M4G)R00,=ZS-4\5VVF:Z=,?[*'BLS>2B:[2&1TQ(0(E;AR/*;<6
M9 H(.3SA&7W\.)<6MP^CZ>TUHJ);2-;(6A5#E0AQE0#T Z50L_!FD6FKZA
MJ3PI<37RR1RK);PUNR1MSH=B*9 2!S(7/'7ELV+/Q-I\T41O+FULII[RXM+>
M&:X4-,T4S1?(@L25!P,XW <ULT:@9LGAW1)=-BTV31]/>PA;?' :M;(8D;GD
M)C /S-SCN?6I+G1-)O; "&PN],LI[.#;Y5O+;HT<>T8&U2,#) QVJ]12&9M]
MX=T34WWW^CZ?=ON+[I(9)#N(52>1UPB#/HH'85/'I>GQ:E+J4=A:I?S+LDNE
MA42NO"! ?&2/E7C/8>E6Z* "BBB@`HHHH`**** "BBB@`HHHH`**** "LR[\1
M:+83F&\U6SMY0,)]9E4_D36G5'P=M319I H\R2^N]=[VQ<2*,_0`#*N\$4[M
MD2;O9%/_`(2_PW_T'M-\`"4_QH_X2_PW_P!![3?_``)3_&NL\TT>::OE@*\C
MD_\`A+`#?_0>TW_P)3_&@^,/#8_YCVG?^!?*XUT&HZQ:Z5;K-=NX#N\$1(HFE
MDD;!. \$1 68X!. #*3T!-266HQW]HEU"LZQOG G@>%Q@D<HX##IW'OTHY8!>
M1S7_``F/AK_H/:=_X\$+_(T?)CX:_Z#VG?^!"_XUTMGJ50?P--:R>9&LLD)
M.",/&[(XY)&5A^'`%6/--'+ +R.2_P`\$Q\`-?![30_XY?:4>,/#; UW3O_
M``)7_&NL\TTUI,J00",=#1RP"\C,BE2:)9(G#HPRK#H1ZT)]^7_>_H*SW/&85
M=(9%`5\$O+M%4= JW,@`L `*TT^+_O?T%9R7+)HJ+NDSSOXV?`\` (CP_] ?R?
M^@/11\;/^1'A_P'OY/\`T!Z*^LRC_=%ZLXJW\1EWX3_\BG-_U]?^THZ[>7[@
M_P!Y?YBN(^\$__(IS?)?7_M*.NWE^X/\`>7^8KP,T_P!\J>IMA/X,1]8>EW;>
M'K=-O+.[E@@!6WN+;!I@T?.U2%R0P&!R,'UK<HKCC/E-Y1OJ9EM]IU'5SJD
M\#VT,.)@MH9,; %@6=@<9VI@=1CFO-&T4W]IH6D0/>P1M8"SU!GTB"\^<+2
M2V25,Q*O_+8AF<K\L<?(VUZ)10YMNX*-C&TFQU#^U[W5=2BM8]KB"&V6"VF:
M90L;2MN+LB'),I&-O&W.3G Y?0!|\07?AK17F6'39[+1TM(HUGD\R56,#.LA
MV*8&*P[,KO*F0D' *#=Z#14W&>=0Z5JOA2YDUQK5)YI9YHUM%NKN](22.W&XS
M"%Y"0;4\%,8<#&`,`&WX*\):EHUQ87E[Y*+;#R7B#[G1S;V,>#@8X:UDZ\$]5Q
MG)QW5%%P/,X-&#<+?30#D=JEV9Y],NKB>,3!8?LXMT<!O*\LC%L6^:1&.[
M4G&[J-;/\W>I?)\Y,D*_P!IZ.EA#08C;(/M&2V!PO[Y>F3P>.F>DHNN!Y]<
M> [V6>]90)GCOO/BE4ZA<VZ1QO<W\$H+)%CS\K<8*,5 VD!OF)'H-%%P"BBB
MD,**** "BBB@`HHHH`**** "BBB@`HHHH`**** "LWPFV-";_K^O/_2F6M*L
M1-&U&S:5--U>*&VDE>413V1E*,[%FPPD3@L2>1WK2#5FFR)7NF=)NHW5SWV+
MQ!_T'+'_`,`,%C_P#Q^C[%X@_Z#EC_`. "Q_P#X_5Z=_P`Q7?83QEJ&EV&CPS:K
M%(\1N L;17L=I)&^UOF65Y8]IQN'RMDAB,\$%JX<Z1=^*5@08KR?5(DB-O:26
M%Y9S&P<2R,OFS2!VCD\$3VX,D)=R8R26(0GN?L7B#_H.6/_@L?_X_1]B\0?`
M0<L?_!8_P`?HT[_]A=]A/'^E#2)M61]+2"XG09KA[Y%CQ=K)-(@R#O)17
M"G!@YVY'-=#NGGOL/B#_H.6/_@L?_X_1]A\0?`0<L?_!8_P`?HT[_]A=
M]CH=U(S?*:Y[_#X@_P#@Y8_`^"Q_`(_2&P\0\$8.NV.#Z:8_`,`?HT[_F%WV'
M^&_`^03)_U_7O_I5+6FGWY?`\`>_H*@TZPCTW3XK5)'EVEG>1P`7=V+LV!TRS'
MBIT^)_O?T%93:<FT5%6BD>=_&S_`) \$>'_K^3_T!Z*/C9_R(\/\`U)_Z]%
M?691_NB]6<5;^(R(\)`^13F_Z^O_`&E'7<LH=2K#(/:N&^\$__(IS?)?7_M*.
MNZ) &2<`5X&:?[Y4]3?"?P8D8C8#'FO^G^%+L;_GJ_Y#_"FL[21.(&"R%3L9
MXR5!\$CC([LBL6PU:]2S,U]Y5U++=2VMO!9P>6SM&\@/+R%>5C+<D8P1R<5R
M0I.46T:N23L;FQO^>K_D/\`-C?`\`/5_R'^%9%CKKW^LO:Q6DIMQ CM)\H, ,F
M^5'5_FYYBP-H89SSC!JI;>*8-50K"&Q?83=;+B/?%)E##,R_-&S*/FCZ9S\O
M(P1G3ZM4UTV5WY\$^UCIYG1;&_P">K_D/\`-C?]\7_(?X5FOKL27\ULUI<B*&
M+=>2Z^3RQ(XJ,;M_/F(,[<9/H":KCQ7I_VRZM"&^T0-M\$:21N9#O\$8`VN=I
M+,@?;][V;K#K#U`LANI%;LVMC?`\`/5_R'^%&QO\`GJ_Y#_"L"3Q4D=R8GL;R
M.1&,36Q6,NESE N&\$FT#_2%_7D8P;8\0(S>1'87DEZ&8/:#RPZ!0A))+A,8D
MC/#\$_. /OX;PU1).W]Y>>P>UB:FQO^>K_D/\`-C?]\7_`"' ^%8>HZO-/I6D7
M&G)<@:DZX\$(C\Y4,3R#`F'8#\HSG/&<<XJH?%D5I>WKWDN8\$VQ0QX2+,GG7*
M-\SMM'RPCEF .W@`G;5+"5)*Z^[KO;^O03K13L=/L;_GJ_Y#_"C8W/_5_P`A
M_A6;_P`)#I_]@?VSYG^B],[E^]NV;=V=OWN-V=O?..:BDUV2%[@R: ?<CR8(Y
MI(285:)6,H+,YEV8_=] > ,]\G;"H5'?3;3YC]I\$U]C?]\7_(?X4;&_YZO^0_
MPK#`B_3?M]O92"6&:7RE9)617B>0`JC1EMY/S+DJI SR>&PZ\U66V\02I*9T
MT^SLQ<S/\$J% #YN?,S\Y`\$8V[!G.<\8I_5JE[-6TN'M8]&;6QO\`GJ_Y#_"C
M8W/_5_R'^%9\$GB2*5()/OH[MW5%MMJ.YW*[*<JQ4 ^4XR3QC)P.:M:OJ\&
MC6B7%PNY&<(!YT4?)!/61U';IG/MUJ?85.91MOL/GC9OL7=C?]\7_(?X4;&_
MYZO^0_PKG=+UN;4?;\$QO7'F6#I))"-@&5\JT93TS_P`M7//][V/\$QM)H)
MH[:Y^PQ3SK/.!&5E\$4,Q9%!=D/'U(.WK@\Z?5*G,H];7_X'KIL3[:<-KG1;
M&_YZO^0_PHV-_P`]7_(?X5EIKL9U!8)(9XDD6+;YD6W9O,H5G);@-Y8`!(+
M*#RV%J77C32;Q^<S*KJ9-S/&N(P[*] &8%U;:6&P,2,<<C,K#56[*-QNK!*
M[9O[&_YZO^0_PHV-_P`]7_(?X52L=6BU"[N8;>&5HK=VB>XW)L\Q2 R8W;P1

MI<:K\$MVIDMG>0)*OG\$"1I1P5QY6",AL^F447`HZ1/]ILI'^V;,75PGF>5Y>
MW;,Z[,]=]F-F?XMN>]7J**0PHHHH`*\O@T74_-H3JVF?8;'7;U_.U",WUN<
MR7 43,7&,K*K!W;DE.I89]0HIIB/+]3.BR>% (62VTRSU*. *4?:?%'`4^T*KRA
M6T_)Q'+*P5U9/, (WQY#_`"\$[6-*'CVR;37M6O3/*M)'&A%ZO[N4[YW8EC;Y\
ML*I4+DPE6VA5/;447 \^;/0;C4?%'B4VS8MM0OX['5!@?~;K:V[CJ<C@RQ?+@
M_P"D;L_NQ7)^\$TM!)8R+IAU(2Z4([=(0-1:/[+;F27=D1!2Y==A!02#(R2
MOMM%PL%PL%PL%(84444 %%% !1110`4444 %%% !1110`4444 %%% !3\$^_
M+_O?T%/IB??E_P![^@H`\[^-G_(CP_\`7ZG_\`*]%'QL_P"1&A_Z_D_]`>BO
MKLH_W1>K//K?Q&?7A/\`BG-_P!7_M*.NWE^X/]Y?YBN(^\$_P#R*<W_\`%]?
M^THZ[>7[@_WE_F*\#-/]J>IOA/X,1]<\3?:WJFI00:K=:9#ITZVP%JD3-,Q
MBCE+,9\$<`8D"@ #&&))W`+T-9NH:%8ZG<+<3_:HY@NPR6MY+;LR@D@,8V4L`
M2< YQN;&,G/ =)C:GXU_L[03JG]G^9BZOK?R_.Q_Q[+<-G.W^+[/C&.-_?' +
M[CQ9=65Q>K>:, \4-CIW]I73K<*S1QDS83;T,F(AP#MY;Y_E7?;O/!VB7\TLE
MS;3.LGF[H1=S+#F1&21A&&!F61\L #EB<Y.:TI-,LIKBFEMDD>[@6VG\$GS
M+)DI<A2IXQ^`MSGGM3T\$<O!XSU2Y:WMD\[+R>Z6"/[1]<6\!BED)#R6ZN
M6`DD\$!"/G7YN2!FZIXGUB^L?SQM42"WM-\$E:OBX*R6UPC7<;-\$0F7!> 8)*8
M`!QDD5U]KX;TNTFBG2*:2>*7S4FN+J6:0,\$=\$-[L25"R284G`+L0,G-,F`* :
M-.DR/:N\$G6=)ECN)\$J\$J\$V</M8;QF60@'.TL2N*+H'.V\1_-5CTL6F+P74\
M5Q'YG^IBC4,) <XPVX2VQV@Y'G?[#8@U7Q8-,UZWL/LOVBV>6&":+S6:&65@
MJJV(S&/OQD[I%;#9"G*AM:UTWR-5U#4)?)-ENO+1/EV^7\$B_*G7GYVE;/7]Y
MCHHJO=^&]+OK];V>*;S1+',5CNI8XWDC(*.\:L\$=AM7E@3A5'0"C0#C?!7B+
M5IM/BLXE_M'4)XH9U-]>.B+&ME9%_GVN=Q><'&,'+DD'KTFE>*_[91K^VMH8
M-&AB22YNKNY\N2+=`DX^0*5*A9\$R2XP=W! !,Z>#M\$AMD@M[:W5-NU[>[FB
MD \$:1A=ZL&V[8HP5S@E%]!(S4_\`PC6D";>MIY<9B\E[:.1TMY\$V;,""(W`
M3"_ ,IX51_",%T!RX[:O?ZA86-IIJ6_]L02P3M-%%-"\%RR_/+ K@AH">(R
M. -W+ 6W?B*[U!I-^O6TVS^TAKF*&4G, ?>23&(@I,;`\$2L22@(&6VZR>#]
M'3SFV7KRR[,SR:A</,FS?MV2,Y=//9(/E(R'8')()J<^&M(:EN)+3S/-W[H9
M9'> %P0["\$DQJS!FRP4\$[WR3N;]H!E6.H:[_` ,)/JD=W8PF1+6PV6MO?-)&J
M//.LDN71 ,,%!) '(C49Y&.KK&@*Z3;F5A'=3/*T#N]S>S3L3#(9(L%W) 5R
M3@</.:V:& 5Q(N_\$M[X<LY() [J>Z35KN&]DTZ.WCD, <EPB[%G)0#<L0Y);
M&>2<FNVK&A*\Z3!IIL(X[H0^>URK&]F,J2MG<R2E]Z\$Y;.TC.YL_.1 85_J
M&IP^%QK%GJVH2):+*)1-!;@K)&S^8;HA?FC0IL@` ; 8J7R"-*:?5+Q78Q3
M7L7EK?2NFUXHEMU 21U2/;F7S0(P27/ED; \8)51;D**:- (D2:-N\$1=C*MQ(H
MG4DL1-AOWP)9R1)NR7<G[S9GAT'38-2-_"XFW-(JF9S\$CMG<Z1\$[\$<Y;+*
M3N;]^8Y+<O=:SKZ+(M;L+>?=%<W2?:I[;(Q)BE^SQ2L(_>?))++AN/]'VY
MS(!63X>@2^<+QZ+^N;N]>'S=/A=VCMA:OH+8N&"CSMY:9MNYW0S)G"AL>DV
M]G;VLUU-#MDNI1-,<D[G"*@//3Y44<>GUK)L_!VB6\$T4EM;3(L?E;83=S-#
MF-%2-C&6*%E6-, ,03E0<Y&:+H#=#HHH#"BBB@ HHHH **** "BBB@ HHHH *
M*** "BBB@ HHHH *8GWY?][^@I],3[\O^]_04 >=_&S_)>'_K^3_T!Z*/C
M9_R(\/\`U_)_Z]%?791_NB]6<%;^(R(\)^13F_Z^O`&E'7;3'\$>>P()^F
M17\$_"?`Y%.;_KZ_]I1UW5>!FG^5/4VPG\&(@C(.113/)B_P">:?\`?(H\
MF+_GFG?(K@.D?13/)B_YYI_WR*/)B_YYI_WR* 'T4SR8O\`GFG`'R*/)B_
MYYI_WR* 'T4SR8O^>:?)\BCR8O\`GFG`'R*`'T4SR8O^>:?)\BCR8O^>:?)
M\B@!]%,\F+_GFG?(H\F+_GFG?(H ?13/)B_P">:?\`?(H\F+_GFG?(H ?
M13/)B_YYI_WR*/)B_P">:?\`?(H ?13/)B_YYI_WR*/)B_YYI_WR* 'T4SR8
MO^>:?)\BCR8O^>:?)\B@!]%,\F+_GFG?(H\F+_GFG?(H ?13/)B_YYI_WR*/
M?(H\F+_GFG?)YI_P!B@!]%,\F+_GFG?(H\F+_GFG?(H ?13/)B_YYI_WR*/
M)B_YYI_WR* 'T4SR8O\`GFG`'R*/)B_YYI_WR* 'T4SR8O^>:?)\BCR8O\`
MGFG`'R*`'T4SR8O^>:?)\BCR8O^>:?)\B@!]%,\F+_GFG?(H\F+_GFG?(
MH ?13/)B_P">:?\`?(H\F+_GFG?(H ?4<1#&1AR"W!]>!2^3%_SS3_OD4\`
M`8 P!O!YQ;/^1'A_P'OY/\`T!Z*3XV\B/#_P!R?\`H#T5]=E'^Z+U9P5O
MXC+WPQ_Y%. ;_`*^O_:4==U7"_?_)%. ;_KZ_P#;4==U7@9I_OE3U-\)_!B%
M%%<T!1110`4444`%% !1110`4444`%% !1110`4444`%% &-)J6I
M7-]<V^EV=K-]F?RY3<30'\VT-@;4?/#+UQUI?, \4_P#0+TO_`,#9O_C%-\. /
MCQ!XA`_3X#_Y@KJ-_O3CK?;\?` ,3_K^K',^9XI_P"@7I?_`(&S?&*/ , \4
M_P#0+TO_`,#9O_C%=-O)ZIZKJD6CZ/>ZG<+(T-G;R7\$BQ@%BJ*6(&2!G`]:K
ME?E^/8OZZ?Y&+YGBGMI>E^!DW_`,8I/, \5?]S2O\`P,F_ ,54U(Q)KOAG
M2;F]U#^SIWFM[AK6.WB<" : . 28(Y+?O4(C8;P(SD#Y?F.S>T;5)M7M_[154
M33KA%>R&#YDD9?&-;G #`@JN,@#+'+%\$?*_+\?` ,/ZZ?Y&9YGBK_H&:5_X&
M3?`QBCS/%7_`\$#-*_`R;_` .5T^_WHW^+E]/Q_S#^NG^1S D\5=],TK_
M` ,#)O_C%6M+OY+Z.=9HTCGMY?*E5&W*VJPP2 2-K*>@Z]*W-_O7+^'VW76N
M'_J(+_Z305+^+E\F_P`4N_F/I?S_` ,_B>XOM0EU1].TNT@GFBB665KB8Q(B

ML2%Y"L225;C':G>5XJ_Z!^B_^#"7_P",4FF''C+6/^O&S_\`0[BNAW^];6BD
MM#/5]3G_\`O%7_0/T7_P82_\`!BCRO%7_0/T7_P82_\`QBM35=4BT?1[W4[A
M9&AL[>2XD6,`L512Q_R0,X'K5!+K6M/M[O4=8NM.>UBMWF-M;0F-HR!NP9Y)
M0K`\$;BL8/!.T9%'N]OS_P`QV??\B+RO%?\`T#]_%P#!A+_\`8I/*\6?^\`&B?
M^#"7_P",U2LOB'9:IY":5IM]J-Q)YV^&UEMF\KR_*W9?SA&W\$\9^1FZD'!!
MMQ^~M.GAEO+>ZFTJ"W^T7&HJJB*%3")@&5F\$A/ELA^5#]\#J"6CV_/_,+
MO^0[RO%G_/AHG@PE_\`C-'E>+/\`?#1/_!A+_P#&:RK+Q];:]JFDV^ES>6QO
M_*NXO~@GS\$UM<.GSQ.ZC+P]P8; >0 1GMM_O1:/;_\` ,+/O^1SWE>+.]AHG
M@PE_P#C-/L+V[DO+JQU"VB@N[=4=A#(9\$9'W;2&(!ZHPY_Z5O;_`'KGHCGQ
MEJO_\`%XVG_HRYH:BXNR#5-:G%?&S_D1X?^OY/_0'HH^~G_(CP_\`7\G_\`*]
M%?3Y1_NB]6<=;^(R)\)_^13F_P"OK_VE'7=5POPG_P"13F_Z^O\`VE'7=5X&
M:?[Y4]3HPG&\(4445P`0%%%%\`!1110`4444`%%%\`!1110`4444`%%%\`!11
M10`4444`<QI5[!8>)M>~S((U>Y!7/?)\`<PC/Z'\JW?[?TS_G[3\C27FE:;J+
M*U]IME=,HPIN+=)"![:@:J_\`QX>_P"A?TC_\` ,8O_B:SY*B;<9I)_W;_CS+
M\BN:-M8_C;]&6[?TS_G[3\C4<^L:/=6\EO<30RPRH4DCD3<KJ1@@@C!:'H
M/\`\$8\`/?"_I'_@#%_P#\$T?\` ,>'O^A?TC_P|B_^)IVK?SK_\`!?'_P`F*\`Y
M7_X%_P#:F1<:Z=[9W5I?ZY?7D,MO);P"X=6~JLB%&*9EGVG;OD+MC//S/N
MU[2^T>QN+F2WO2D=P_F~!_RS60DEG48R"Q.6&<\$C=C<S%C_A&/#W_0OZ1_X`
MQ?`Q~+_` , (SX>_Z%_2/_ &+_P")HM6_G7_@+_`DPO#^5_^!?'_VI:_M_3/
M^?M/R-']OZ9_S]I^1JK_\` , (SX>_Z%_2/_ &+_P")H_X1GP]_T+^D?^ ,7_Q~
M%JW\Z_\`7_\`F%X?RO\`\`_`^U+7]OZ9_S]I^1K)\`G>~8EZJ^H95AT.(1_,
M\$?A5S_A&/#W_\`\$+^D?\`@#%_\`36C#%%;P)!!%'##&,) '\$@15'L!P*(QGS<TY
M7TMHK;M/^9]@;35DK:WWOW\EW,BUN(K?QI]2RN\$;MC:[`^XMKSYQ]-P_.MO[
M9#_ST%5;S3['4\$5+ZQM;I%.56XA60 ^VX&J?_` ,>'O\`H7](_P# &+_XFNCF
MB]S*56QISRV=U;R6]P(I894*21R*5U(P00>" ".U8C:)%+!);SZ_J<]M\A@B
ME:)]OL[HZO&ZOY>]F1D7'F,^?XMV:L?`\` ,>'O^A?TC_P|B_^)H_X1CP]_P!"
M_I'_` (Q?_ST^:'?/\`@A[W;\`^5]+T&RTS5GU1]40+V]D\W?+<+6~WF+
MIX1%' MHP,#NV<YX@M/"FE6=B=.BU"_LV6U6UNK~FC*70\$(@W.VS>&V*^@1
ME'R@XY.;_P#PC'A[_H7](_\`&+_`.)I?^\$9\`/?)"_I'_@#%_P#\$T<T>[^[_
M`((>]V_\`_@\$4.DO+=6EU>:S?WUQ:W'GQO<~&!_JI(]NQ\$5<8E<Y #SXR2% &
MU]LA_P">@K*_X1GP]_T+^D?^` ,7_\` ,31_P` (SX>_Z%_2/_ &+_XFCFAW_#_@
MA[W;?`\`@&K]LA_YZ"L:RF2X\6:O)\$P95M+2,D=F#3DCZX8'\`D_X1CP]_T+
M^D?^` ,7_\` ,35^UM;:QM;V=M!;0`[O+@B6~<^N `*3E&S2"SNKGGGQL_Y\$>'
M_K^3_P! >BCXV?\` (CP_]?)R?^@/17U.4?[JO5G]6_B,\X\`._%/40#6F&QM+&
MUD5I/,9I=Q.=JKV([**UO^%Z:Y_T#~._[Y?_`. *HHKMJ8.A4FYS@FV81E**L
MGH)_PO37?^@;IW?+_`\`Q5'_`\`O37?\`H&Z=_P!\O_\`%445/U##?R+[BO:3
M[L/^%Z:[_P! W3O^7_\`^H_X7IKO_0-T[_OE_P#XJBBCZAAOY%]P>TGW8?`\`
M"]~=_P"@;IW_\`R_P`51_PO37?^@;IW?+_`\`/Q5%'U##?R+[@]I/NP_P"%
MZ:[_`- W3O\`OE_\` (JC_A>FN_\`0-T[_OE__BJ**/J&&_D7W![2?=A_PO37
M?^@;IW?+_`\`Q5'_`\`O37?\`H&Z=_P!\O_\`%444?4,~(ON#VD^[_A>FN_
M] W3O^7_P#BJ/\`A>FN_P#0-T[_`+Y?_P"*HHH^H8;^1?<'M)]V'_"]~=_Z
M!NG?]\O_\`/%4?\`+TUV_H&Z=_WR_\` ,5111]0PW\B^X/:3[L/^%Z:[_T#=. _[
MY?\`^H_X7IKO_0-T[_OE_\`XJBBCZAAOY%]P>TGW8?\`+TUV_H&Z=_WR_P#\
M51_PO37?^@;IW?+_P#Q5%%'U##?R+[@]I/NP_X7IKO_\`\$#=. _[Y?_XJC_A>
MFN_]`W3O^7_\`/BJ**/J&&_D7W![2?=A_P`+TUV_\`!NG?\`?+_\`!5'_"]~
M=_Z!NG?]\O_\`%444?4,~(ON#VD^[_` (7IKO\`T#=_P" ^7_\`BJ/^%Z:[
M_P! W3O^7_\`^*HHH^H8;^1?<'M)]V'_"]~=_Z!NG?]\O_P#%4?\`"]~=_P"@
M;IW_\`R_P`5111]0PW\B^X/:3[L/^%Z:[_T#=. _[Y?_`. *H_P"%Z:[_`- W
M3O\`OE_\` (JBBCZAAOY%]P>TGW8?\`+TUV_H&Z=_WR_\` \51_PO37?^@;IW?_
M+_\`Q5%'U##?R+[@]I/NP_X7IKO_0-T[_OE_P#XJC_A>FN_] W3O^7_P#B
MJ**/J&&_D7W![2?=A_PO37?^@;IW?+_`\`/Q5'_"]~=_Z!NG?]\O_\`/%444?4
M,~(ON#VD^[_A>FN_\`0-T[_OE__BJ/^%Z:[_T#=. _[Y?\`^*HHH^H8;^1?
M<'M)]V'_`\`O37?\`H&Z=_P!\O_\`%4?\`+TUV_H&Z=_WR_P#]5111]0PW\B^X
M/:3[L/\`A>FN_P#0-T[_`+Y?_P"*H_X7IKO_\`\$#=. _[Y?_XJBBCZAAOY%]P>
MTGW9A^*_B7J7B[2%TZ\L[2&~91*&A# Y`([L>/F~%%;0IPIQY8*RFWJS_
!V0`
`
end