

ó !# --

<ZjbZgl

1. >\Z]jma~~kZ~~yaZeb lhgdhc ~~gg\_\jZkkl~~fhbfhc gblvx b himklbeb \ khkm^ k  
]jmaba ijh[~~dfZ~~kkhc ] ih]jmabeky \ \h^m gZ ieh\bgm k\h\_]h  
(f\_lZe**e=60**ebq)k]d**m=60**abd ih]jmabeky p\_ebdhf gZlygm\ gblv ~~kd]h~~lghklv  
f\_lZe**e=60** d]³f\h^u 10 d]³fHij\_^\_ebl\_ fZkkm b h[tzf \lhjh]h l\_eZ

GZ mjhd\_ nbabdb mq\_gbdb ihemqbeb aZ^Zgb\_ hij\_^\_eblv iehl  
<\_kh\ \ dZ[bg\_l\_ g\_ ~~MqjZgbZde~~hvae khkm^ kl=~~8~~\_j~~d]k³~~ghfk \h^hc  
(l₂=10 d]³)f ih^\\_kbe ]jma gZ ijm`bgdm b ieh]ch\_jz~~h~~gZ khkhk~~h~~hZ ljb him  
\ i\_j\uc khkm^ ^ebgZ ijm`bgu ~~ab~~akf\_gZ eZ~~h~~lvhgZkdZgbb \h=~~5~~khfjhc gZ  
Hij\_^\_ebl\_ iehlghklv l\_eZ

F\_lZe**e=60**ebq\_kdb\_ rZjdbb jZk~~fb~~mdkjZeb keh\_f ieZklbdZd ~~the~~h**b**ghc  
Hij\_^\_ebl\_ kj\_^gxx iehlghklv ihemqb\r\_]hky ba^\_eby

H[tzf rZ**V=4**CE³/3 iehlghklv f\_l=~~2000~~ed]f³ ieZklb=~~970~~d]f³.

4 >\Z ^jm]Z j\_rbeb ijh\\_jblv [m^\_l eb \j\_fy ^\b`\_gby jZaguf  
jZaebqgufb kihkh[Zfb Hgb j\_rbeb \_oZlv gZ fhlpbdeZo hl h^g  
jZkklhygb\_ f\_`^m dhld~~u~~h~~u~~hev ^hjh]b jZkiheh`\_gh fgh]h gZk\_ezg  
ihwlhfm kdhjhklb \u[jZeb g\_[hevrbbf I\_j\uc ieh\bgm i~~dh~~bfqZ**k**Ze k  
\lhjmx ieh\bgm kh ~~kd=4~~h~~h~~klvqZk~~h~~hjc ieh\bgm \j\_f\_gb \_oZe kh  
V₁ df q,~~Zk~~ \lhjmx ieh\bgm \k~~dh~~g~~h~~klV~~h~~4 df q.Zk Dh jZgvr\_ ijb[ue g  
nbgbr" ; DZdh\_ jZkklhygb\_ [ueh f\_`^m fhlpbdebklZfb dh]^Z h^b

5 FboZbe \ur\_e gZ ijh]med~~m~~d~~m~~hg~~u~~^\b]Zeky gZ \hklhd V~~h~~fk~~h~~hjhkl  
aZl\_f ih\\_jgme gZ x] b ijhrze V~~f=2~~5f kd~~h~~gZ~~h~~kl~~o~~x^mxs\_f mqZkl\_d hg  
gZ aZiZ^ b rze k\_dmg V~~3=2~~fh k~~h~~bd~~h~~gZ~~h~~kl~~h~~ve\_^g\_f m~~h~~q~~h~~kl~~h~~de\_g\_ ki\_rZ  
gZ k\\_j kh kd~~h~~h~~h~~klv~~x~~: Hij\_^\_ebl\_ kj\_^gxx kdhjhklv FboZbeZ  
jZkklhygbb hl nbgbrZ gZoh^biky f\_klh klZjIZ"

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>\Z \\_ehkbi\_^bklZ \u\_oZeb ba h^gh]h imgdlZ \ h^ghf g  
kdhjhklvfb dfcϕgl\_j\Ze#8 fbg GZ\klj\_qm bf ^\b`\_lky fhlpb  
kdhjhklvwx df Q\_j\_a dZdh\_ \j\_fy ihke\_ \klj\_qb k i\_j\uf \  
ijhbahc^zi \klj\_qZ fhlpbdebklZ kh \lhjuf \\_ehkbi\_^bklhf"

2. DZI\_j ^hklZ\ey\_l Imjbklh\ ih j\_d\_ hl ijbklZgb : ^h ijbklZg  
\h^jZsZ\_l bo gZ ijbklZgv : >hjh]Z th#2 q^hZ<h^jZgyle Zq ljb  
ihkZ^d\_ \ imgdl\_ : Imjbkl mjhgbe \ \h^m reyim Q\_j\_a dZd  
imgdl < Imjbkl kfh`\_l \ueh\blv k\hx reyim"

Ql[u j\_rblv dlh emqrb^Zj\_\jnp]Z gZ h^bgZdh\uo eh^dZo  
hlijZ\bebkv ba h^ghc lhqdb \^hev j\_db J\_dZ [ueZm^h^d^m^m^b  
hgb ^\b]Zebkv \ ijhlb\hiheh`guo gZijZ\e\_fghybl]ZKjZnk\yjgmebk  
< bkoh^gmx lhqdm ]^\_ bo `^Ze lj\_lbc ^jm] h^6 gbo^a kge\_o \  
jZa\hjh]Z Z ^jmt^h20 qbg\_Dah ba gbo ^\b]Zeky [uh^y^klj\_\h^\_kb \  
kdhevdh jZa"

GZ ihdjZkdm ^\_j\_\ygggh]h dZ[Z k^Zk^h^g^h^g^h^c dbklhqdhc m  
moh^blk\_dm^Zdhc `\_ dm[ jZkibeb\Zxl gZ dm[bdb kh klhjhghc  
: Kdhevdh \j\_f\_gb aZljZlbi <heh^y qlh[u ihdjZkblv wlb dm[b  
; ?keb dm[bdb^\_gblv gZ eZlmggu\_ Z aZl\_f \k\_ dm[bdb kde\_b  
kj\_^gyy iehlgkklv dm[Z" Kehc de\_y kqblZlv [\_kdhg\_qgh lhgc  
f\_gvr\_ fZkku dm[Z lehlghkklv d^j^f^Zhlghkklv eZ^85 g^d]^3.f

GZ^ ih\\_joghklvx \h^hzfZ gZ ijm`bg\_  
ih^\\_r\_gZ k\Zy k d\Z^jZlGuf k\_q\_gb\_f  
(10x10)kf ^ebglu ?z gZqbgZxl f\_^e\_ggh  
kh kdhjhklvx fchimkdZlv b dZ`^mx  
k\_dmg^m nbdkbjmxl m^ebg\_gb\_ ijm`bgu o  
J\_amevlZlu baf\_j\_gbc ij\_^klZ\e\_gu gZ  
]jZnbd\_ lh wlb^ ^Zgguf hij\_^\_ebi\_ Z  
`zkldhklv ijm`bgu [ iehlgkklv k\Zb  
20 d]^3 f iehlgkklv \h^100d]^3f