



CANDIDATE
NAME

CENTRE
NUMBER

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CANDIDATE
NUMBER

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0DWKHPDWLFDO)RUPXODH

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4XDGU~~DWDL~~WLRQ

)RWKHTXD~~ML~~EQF

$$\left[\frac{<E\pm\sqrt{E<DF}}{D} \right]$$

%LQRPLDO 7KHRUHP

$D\ E^Q\ D^Q\ Q_{D^{\pm}E}\ Q_{D^{\pm}E}\ \ll\ Q_{UD^{\pm}E}\ \ll\ E^Q$

ZKHQ~~LHDS~~RVLW~~QW~~~~BIQ~~~~U~~ $\frac{Q}{Q\pm U U}$

75,*2120(75<

,GHQWLWLHV

VL~~Q~~FR~~\$~~

VH~~\$~~WD~~\$Q~~

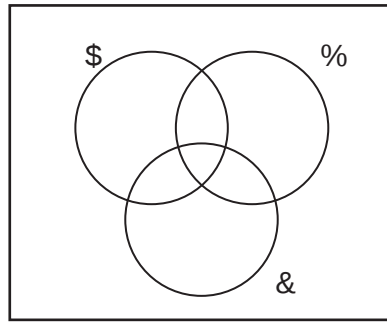
FRV~~\$F~~FR~~\$V~~

)RUPXOD~~\$H%~~RU

$$\frac{D}{VL~~$Q~~}\ \frac{E}{VL~~%Q~~}\ \frac{F}{VL~~&Q~~}$$

$D\ E\ F\pm E\ F R~~$V~~$

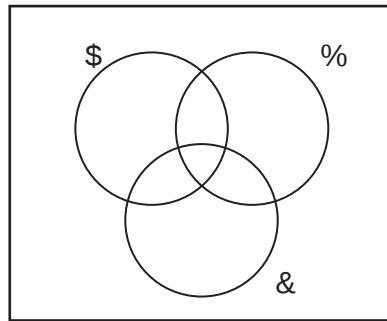
" - E~~FV~~L~~\$Q~~



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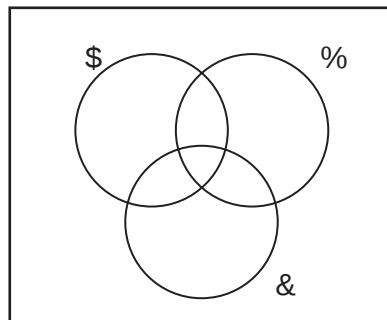
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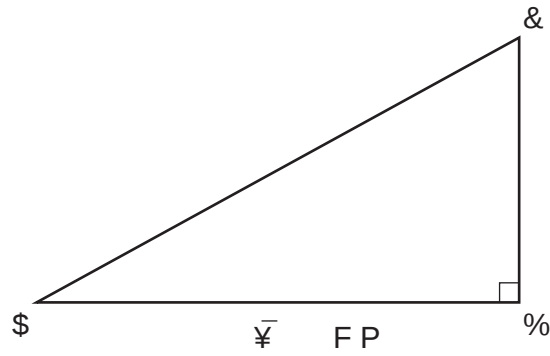
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F * L Y H W K P D W W ; U L [^D I L Q W K L Q W M D I R X I P H D Q R S I Q V X F W K K D W > @



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W K V D H U R I D / K W U L D & J F O H

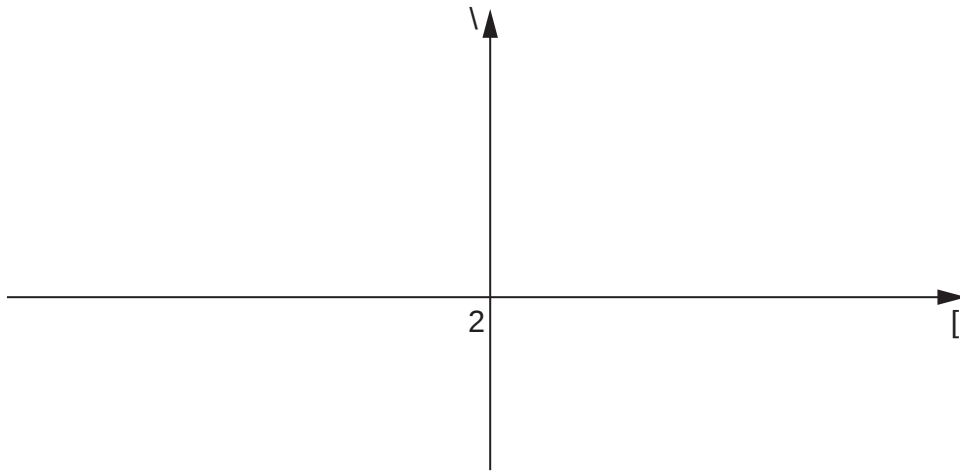
L) L Q V G I O H Q R I W K H L \$ & L Q K R U P $\sqrt{\quad}$ F P Z K H D D H Q E D U H Q W H J H U V

L L + H Q I L H Q V G I O H Q R I W K H L \$ & L Q K R U S $\sqrt{\quad}$ F P Z K H S L H D Q Q W H J H U > @

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SRLQWVHDSKHWDHV | VKRZWRUGRQVHV
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LL)LRUGRQVHDSRQVFXUYH | KDRQOROXWLRQV

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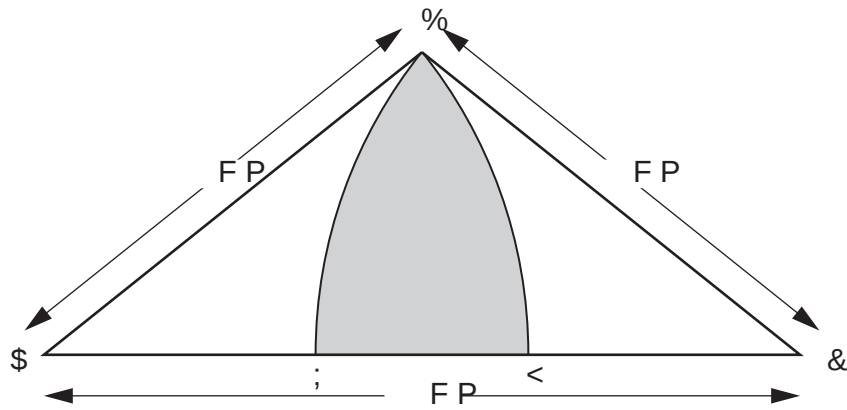
WKH 0DWKHPDWLFV ERRNV DUH QH[W WR HDFK RWKHU

LLWKH 0DWKHPDWLFV ERRNV DUH QRW QH[W WR HDFK RWKHU

E 7RFRPSHQWXDJWHBPLWRFKRVLURJURXSPHQQGRPH)QWKH
QXPERGLIIHWHQWDEHFKRVHQ

L WKHUH DUH QR UHVVULFWLRQV > @

LLDWHVZHQXVWRQVHDP > @



7 K 6 L D J V I D R Z Q V R V F H U L B V & O H K S D W F P D Q S % % & F P
% ; L D Q U R F D F L U F B Q & D Q G L D Q U R F D F L U F B Q W U H

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S H U S H Q E L V F H T O M D I O H L S % L Q W H W V H K F W V H K S H R L Q D V Q G) L Q V G I O H Q R W K H
O L Q ' H L Q W K R I U E Z K H D L H D Q Q W H J H U > @

D Q G — I L Q W Y H D O R X H D R K W K L Q W H J H Q W > @

E 6 R O Y H]]

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