```
Overall CPI
             (1\times.3)+(4\times.2)+(9\times.4)+(2\times.1)=4.9
       (3)
              (PI = 4)
                                   Time = ISA * CPI x freq.
                freg = 2.86-42
                                   ISA = Time
CPIXfreq
                 in Iseconds
            ISA = 7×108 INSTRUCTIONSISA = (ISECOND)(2.8 CHIE)
       (I) f = 5GHZ AMOAHL'S LAW
              Avg CPI =
                               Speedup: (1-f) + f New
              MIMORY PERFORMANCE
          Wext Chen (A) US OLD (B)
T
                         TIMEB - Performance A

TIMEA - P... B
T
                 Bo Time B = 18A x (P) x freq = 3x = . lons
工
                   (PIB= 3
          .5777 CPIA = 2.6 New = = ,9 x060 = 4.5 (742
1
         = 1.038 Time A = 2.6 x 1 = .5777ns
1
            = 1.04
           SOU' STUR LR [Sp. =8] - 5 x funct (3)
                              -> 5 x 3xfunct (1)
                       5xfunct (3)8. 5x3x 1x funct (-1)
してもれ
                                        2.0 × 10° + 150.0
       9 - Ans in decimal
                                         20 × 100
                                                   150.0x21
                1x (1+.5) x 7 (124)
                                                   -30 x 21
1
```

自自

個

D_

和

1

1

1

图

10 D Add exp. @ MULTIPLY SIGNIFICANOS

1.5 x 2 3 x - 3.0 x 2 2

1.5 x 2 5

- 4.5 x 2 5

- . 45 x 2 6