) - 1

(4)

(i) speedup =

I souther enchant by Hod = 1x1 + 3x4 + 3x8 + 4x2
= 12 = 0.723

= 12 :0.223

of the same

Francton enhanced 221.0= 0.231

Fraction moffested = 78-1. (:10-22=78-1)

Encharched mound = 10 tres

Spead up = $\frac{1}{0.8 + 0.2}$ = $\frac{1}{0.82}$

Speed up= 1.2

1004 Gupts

(ii) Speedup = execution time dol
execution time now
$$3 = 1 \times 10 + 3 \times 9 + 3 \times 9 + 4 \times 2$$

$$1 = 18$$

(Lo) Speed - Carechas + too

1(b) S-1 100 x's 100 x's 150 2's S-2 200 x's 100 x's 402's

> X-1cc Y-1cc 2-3cc

(a) Total (1 1 5-1 = 65 = 720

 $\frac{T_{5.1}}{T_{5-2}} = \frac{650 \times u}{420 \times u} = \frac{65}{42}$

Ts-2 < Ts,

Ts. 2 will kenform faster than Ts.,

Suppose 239 1 (6)

Sele-etono

Ts-2 vill person 65 on 1.54

times faster then Ts.,

(C) Average CPI = Total clock Cycles
Total Instruction

CPIS-1 = 650 = 1.85

(PI 5.2 = 420 = 1.235

Yash Gufta S 202000lo 234

2(6)

\$ 4339 0000

010000110 0111001

edprend : 13 4-12) = 8 1.0111001

8 42820000

Reforent Foother

Reforent : 133-127

= 6

1.00111001

PARKE.