a,

عدر من عب الرفين حير

1 -> 0

2 -> a

 $3 \rightarrow a$

4 -> d

5 -> 9

6-36

7 -> 8

8 -> (

9 -s C

10 -5 0

11 -> a

12 -> (

13 -3 9

14 -> a

15 -> C

L C. Y

4 4 - 3

10-3

V 5- 01

13 to 61

2 4- 21

2 4 45

Qyo je 32 11 ms ie, 18 max = 10 y, +15 x2 + 30 x3 11 +3 × 2 >30 2x, +5x2 + 3x3 >120 リ、+ ソコ + ソ3 > 60 1. 12. 13. S., Si. SS. A., Ar, Az, Az 710 0 1/2 /3 Sc CB 8/8 S2 \$5 A A3 9013 90 0 12015 4 5 Az 7 150 -1 6011 0 A3 W=-162 -4 -9 -5 0 0 118/6 18 -0,20 -0.8 -1 A. 0000 -06 305 24 0 36/6.2 A3 0.6 0.2 - 11 0 0 0.4 0

1-0.4 1

x=-Sy 0.4

0 0 4

Res 3/2 5/ 16, 88 (dr/ (3) 38 4. 12 /2 /51 52 53 A. 00 113 -16-15-100 -16 300.53 1 7.06 7.3 0 18 @ 0.14 0.26 0

B

 $Q_{3}/Q_{w} = 4 + 10 + 11 = 30$ f = 12 + 14 + 4 = 30

عدران عبد اکامر، وزر عزه عدد وی عدد

0 2		50 - 5		
	w	107	W 3	Fa Etory
5,	9 5	3 4	6 8	12
-F2	0 2	24	7	14
Fz	0 13	-06	4 7	4 00
Warphore	9	10	(1	3.130

th min total = 5+9+1×3+4×7+0×7+7*4
=104

 $F_1 \omega_3 \Rightarrow F_1 \omega_3 \Rightarrow F_1 \omega_2 \Rightarrow F_2 \omega_3 \Rightarrow F_2$

FZWI

	01	V2	w 3	Factory
5.	5 (3	7	0 8	12
Fa	0 12	3 4	11 0	14
53	43	06	0 7	4
workhoose	~	10	11	3./3.

 $f_{1}\omega_{3} \Rightarrow f_{1}\omega_{3} \rightarrow f_{1}\omega_{2} \rightarrow f_{2}\omega_{2} \rightarrow f_{1}\omega_{3} = 11$ $f_{2}\omega_{1} \Rightarrow f_{2}\omega_{1} \rightarrow f_{2}\omega_{2} \rightarrow f_{1}\omega_{1} \rightarrow f_{1}\omega_{1} \rightarrow f_{1}\omega_{1} = 7$ $f_{3}\omega_{1} \Rightarrow f_{3}\omega_{1} \rightarrow f_{3}\omega_{1} \rightarrow f_{1}\omega_{1} \rightarrow f_{1}\omega_{2} = 7$ $f_{3}\omega_{3} \Rightarrow f_{3}\omega_{2} \rightarrow f_{3}\omega_{1} \rightarrow f_{2}\omega_{2} \rightarrow f_{2}\omega_{3} = 12$

		w,	wz	~3	Factory
	S	2 15	10 21	- G 8	. \ 7
FZVI	5-	3 2	0 4	110	14
	t ³	4 3	0 6	0 7	4
	wayahoas	٩	(0	11	30/70
			-		

Lisons I me is me Q1/ 3 Fiw, > F w > F w > Fw a G Fiwi - sfw - sfw - sfw 2 6 fow > Fw -> Fw -> Fw = 7 f3 V3 => Fw -> Fw = 6 the min fobole = 5x 2+1x10 + 2x3 + 0 x11 +3×4 = 38