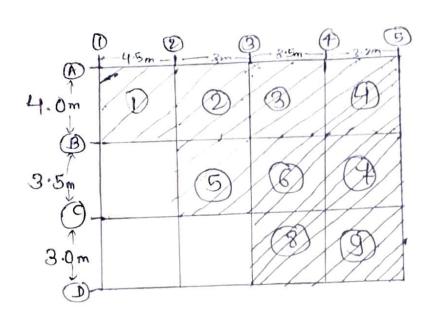
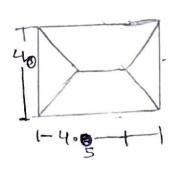
## Load calculation by Tributary Method



Unit weight = 05 KN/m3

Thickness = 0.125m

ton Slab (1):



Now, Equivalent UDL on beam

- Ariea X25 KN/m² × 0.125m

Asiea of D for slab 1. = 1 x 4 x 4 0 = 4 m2

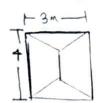
... UDL = 4x25x0.125 = 3.125KN/m.

Avec of 5 food Stab = 1x(4.5+0.5) x 2 = 5 m2.

». udl = 3x25km x0.125

- 3.472 KN/m.

for slab 2.



Asica of 
$$\Delta = \frac{1}{2} \times 37 = 2 = 2.25 \text{ m}^2$$

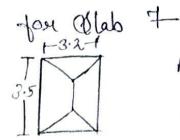
Asser of 
$$\Box = \frac{1}{2} \times (4+1) \times \frac{3}{2} = 3.75 \, \text{m}^2$$

Area of 
$$\Delta = 2.56 \, \text{m}^2$$

Asses of 
$$\Delta = 2.25 \, \text{m}^2$$

Associated as 
$$\Delta = 2.344$$
 km/m

Los Slabe



Asiea of A = 2.56 m² -1. UPL = 2.5 kwm Asiea of \( \text{A} = 3.04 cm² \)

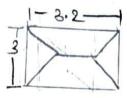
-1. UPL = 2. 7-14 kN/m

You Slab

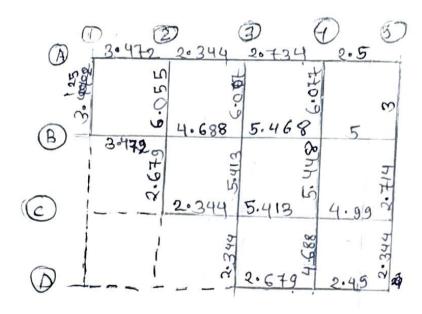
8.

-1. UDL = 2.25 m² -1. UDL = 2.344 KN/m. Asiea Of ZI= 3 m² -1. UDL = 2.679 KN/m

Jor Blab 9.



ASIER Of D = 2.25m2 -: UDL = 2.344 KN/m ASIER OF ZI = 2.55m2 -: UDL = 2.49 KN/m.



for dead load.

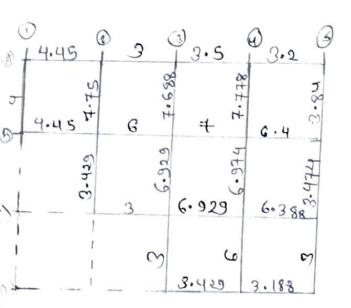
for live hoad as UDL. Leve load on floor = 4 KPa Live load on scoof = 1.5 kpa. o's UDL = load x Asieq length. Lau Sab 1 - dos floor - for roof -UPLETOR D= 4KN/m UDL for D = 1.5 KWM UN for 1 = 4.45 kN/m UDL for Z = 1.67 KN/m Joy Slab 2. -tor floor - for 200f UDL for D = 3 KN/m UDE 104 A = 1.125 W/m UDL for 1 : 3.75 kN/m UPL YOU = 1.406 KN/m 109 Aab 3 -for floor + cor roof -UDL for D = 3.5 KN/m UDC for D = 1.3125 KN/m. UDL for 1 = 3.938 KN/m. UDL for D = 1:477 KN/m. for Plab (4) - you floor for scoop UDL fox D = 3.2 KN/m UDL for D = 1.2 KN/m UDL for a = 3.84 KN/m

Gar Rap 3 -406 Aprox -for eroof NOT for D = 3 KNAW UDL POR A = 1.125 KN/m UDL for Z = \$ 3.429 kN/m UDL for Z = 1.286 KN/m

UPL for = 1.44 KN/m.

for Blab 6 - for 200f - took floor UDL JOY D = 1.3125KN/W UDL for A: 3.5 KN/m for Glab + - fox 400f -fox floor UDL for D = 1.2 KN/m UDL for A = 3.2 KN/m UDL for D = 1.303 HW/m MINANTED = 2 KD JAU for Blab 8 = - for floor 1001 ROJ -UPL for  $\Delta = 3 \times N \text{Im}$  UDL for  $\Delta = 1.125 \times N \text{Im}$ .

UPL for  $\Delta = 1.125 \times N \text{Im}$ . Low Blab 9 UDL for  $\Delta = 3 \text{ kN/m}$ - for 200f UDL for = 1.125 KN/M UPL for = 3.188 KN/m UDL fox = 1.195KN/m



yor floor

$\varphi$	6		3 (	9	(9)
A	1.67	1.125	1.3125	1.2	
5	2.306	2. 88 88	2.912		1.44
B-	1.67	2.25	2.625	204	
1	.286	386	155		03
1	~	3	5.6		1.3
0-		1.125	2.5985	2.395	_
1	8	125	57.72		125
(D-)	- 3		1.286	1.195	-

UDL of live load for