Management tools: Affruity Diagram Tutemelation ship Diagraph

Facilities Page 1

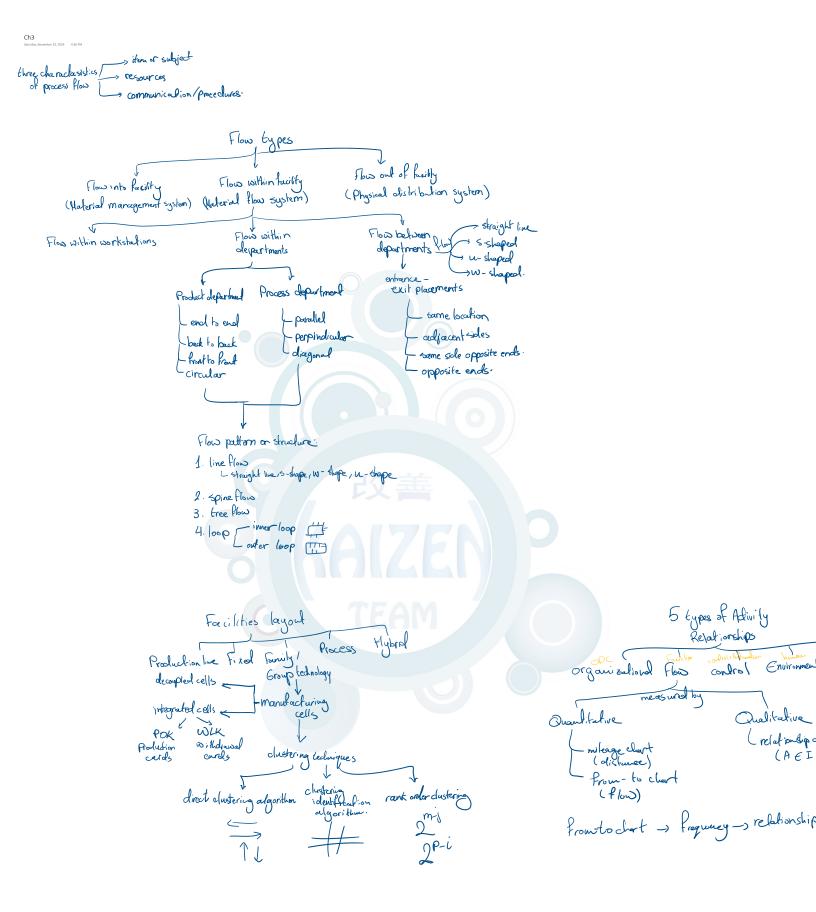
Alfruity Diagram () Interrelation ship Diagraph () Tree Diagram) Matrix Diagram) Matrix Diagram) Contingency Diagram) Activity Network Diagram) Prioratization Matrix

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Scrup estimate problem.

$$\begin{aligned} I_{1} + 1 & = \underbrace{I_{1} + I_{2} + I_{3} + I_{3}}_{I_{1} + I_{2} + I_{3} + I_{3}} & \text{Sprounds} \\ I_{1} + 1 & = \underbrace{I_{1} + I_{2} + I_{3}}_{I_{2} + I_{3} + I_{3} + I_{3} + I_{3}} & I_{3} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3} + I_{3}} & I_{3} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3} + I_{3} + I_{3}} & I_{3} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3} + I_{3}} & I_{3} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3} + I_{3}} & I_{3} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3} + I_{3}} & I_{3} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3} + I_{3}} & I_{3} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3} + I_{3}} & I_{3} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3} + I_{3}} & I_{3} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{3} + I_{3}} & I_{4} = I_{2} & d_{2} & I_{2} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3}} & I_{4} = I_{2} & d_{2} & I_{2} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3}} & I_{4} = I_{2} & d_{2} & I_{2} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3}} & I_{4} = I_{2} & d_{2} & I_{2} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3}} & I_{4} = I_{2} & d_{2} & I_{2} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3}} & I_{4} = I_{2} & d_{2} & I_{2} = \underbrace{O_{2} + O_{4}}_{I_{2} + I_{2} + I_{3}} & I_{4} & I_{4}$$





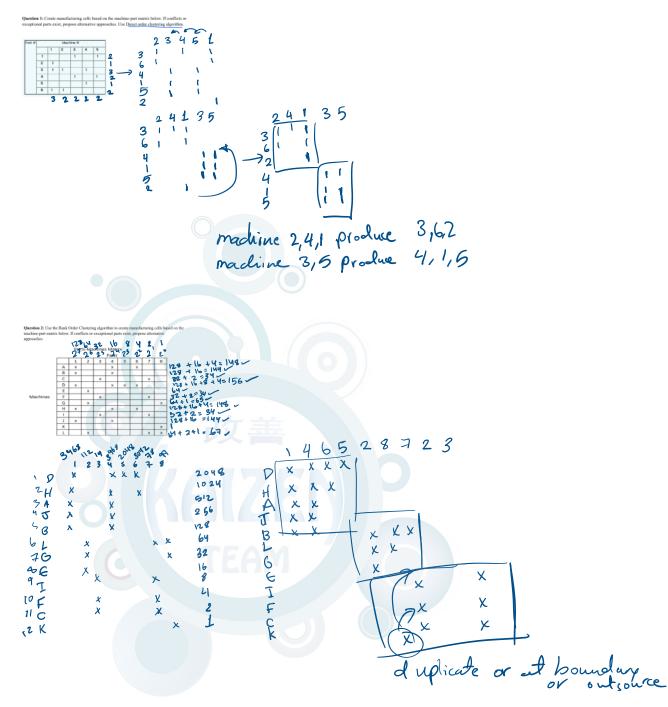
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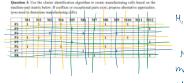
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chat

Problems

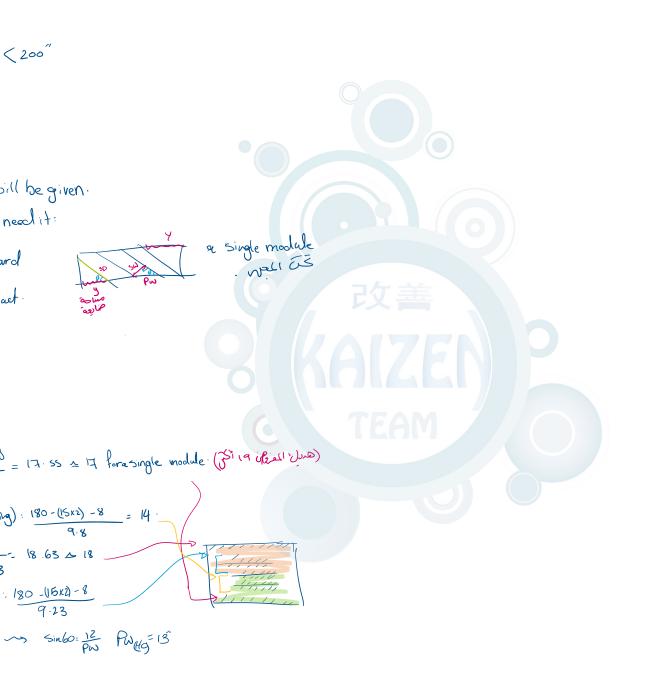
Saturday, November 30, 2024 10:01 PM





H, , M2, H4, M8, M10 make: P1, P4, P6 M3, M7, H1, H2 make: P2, P3, P8 H3, H6, Hq make: P3, P7

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Food service

Unum of employees / shift = num of employees per shift Q * Cafeteria + vending: 12 ft^ex num + 1 ft²x " perchift *Cafeferia + service line: employees: 70 can have 70 employees /shift only -+ num of lines x 300 ft2 12 ft x * cafeteria + full kitchen (Sum of caleteriat service line) + area from table num of destaully meals

1 -> 1.26 employees (no transportation) 1 -> 3 employees (transportation available) 2/100 handicapped stalls, 12" module no walking more than 300-400 feet 331. for compact cars if not given. 16" for tuning cuiste 6 ft locker For each person. 200 It close bathroom for each work station. bathroom numbers. Food service within 1000 Part water fountain within 200 feet flealth services: 250 Ft2 for each muss 75 Pt2 + 25 Ft2 only for additional nuse 150 ft2 for each doctor.

Ch5 Sunday, January 19, 2025 10:25 PM

> Determine the following: Trailer 1. Container space utilization. 2. Container nesting ratio. 3. Trailer space utilization (if all containers stacked vertically in only one orientation). 4. Trailer return ratio. ① Container Space utilization = inside dimension = 18x 11 x 11 = 75.625 ≈ 76 % outside dimension 2 Container nesting Ratio = container outside hieght = 12 =6 nesting height (نہتم منقط یاد Height) میں حل ما کانڈ أقل کل ما ⇒ so (6) nested container use the Same space as one closed container كان أفضل Trailer Space Utilization = Length $\rightarrow \frac{240}{20} = 12$ containers along the Length width $\rightarrow \frac{120}{12} = 10$ containers along the width height $\rightarrow \frac{120}{12} = 12$ containers along the height the trailer can take (we need to determine how much container are in the and * so Total number of containers = 12x 10x10 = 1200 full containers and now the trailer Utilization = * of container x container inside dimension Trailer inside dimension 1200 x (18 x 11 x 11) 76% 240 x 120 x 120

