

معلم الدين ٢٣٥٣٤٣٩٥

$$1) \int_{-5}^5 \frac{x^4}{2} dx \quad X \xrightarrow{1 \rightarrow 5} \text{limits} + F_4 \\ Y_{\max} = \frac{5^4}{3} = 208.33$$

Banding Rectangle area =  $4 \times 210 = 840$   
 $x = 0.1r_x$ ,  $y = 0.01r_y \times 210$

X	$\frac{x^4}{3}$	M	N
2.2	9.7	0	1
2.5	34.8	0	2
1.8	0	1	3
4.5	189	1	4
2.6	10.5	2	5
2.4	161.7	2	6
4.8	138.6	3	7
4.3	21	4	8
4	159.6	4	9
4.7	88.2	5	10
3.8	163.8	5	11
<del>2.4</del>	<del>6.3</del>	<del>11.059</del>	<del>12</del>
<del>4.7</del>	<del>18.9</del>	<del>162.656</del>	<del>13</del>
<del>4.2</del>	<del>161.4</del>	<del>63.723</del>	<del>14</del>
<del>2.5</del>	<del>128.1</del>	<del>13.021</del>	<del>15</del>
3.3	56.4	6	16
5	126	8	17
3.4	60.9	8	18
2.1	84	8	19
			20

NETREES

$$I = \frac{M}{N} \times A = \frac{8}{20} \times 840 = 336$$

Directions	Prob	C.Prob	Nos
Forward	40%	40%	
Backward	10%	50%	0,1,2,3
Left	30%	25%	4
Right	20%	25%	5,6,7
		70%	8,9

=> let the distance be in Meter  $f(0.45)$   $b(0.45)$   
 $L(0.6)$   $R(0.6)$

Step	No.	Direction	x	y
1	6	Left	-0.6	0
2	2	Forward	-0.6	0.45
3	3	Forward	-0.6	1.5
4	6	left	-1.2	1.5
5	8	Right	-0.6	1.5
6	5	left	-1.2	1.5
7	7	left	-1.8	1.5
8	7	left	-1.8	1.5
9	9		-2.4	1.5
10	8	Right	-1.8	1.5
11	4	Right	-1.2	1.5
12	8	Backward	-1.2	1.05
13	2	Right	-0.6	1.05
14	6	Forward	-0.6	1.8
15	2	Left	-1.2	1.8
16	1	Forward	-1.2	2.65
17	3	Forward	-1.2	3.3
18	9	Right	-0.6	4.05
19	8	Right	0	4.05
20	4	Backward	0	3.6

التاريخ:

Graphs

