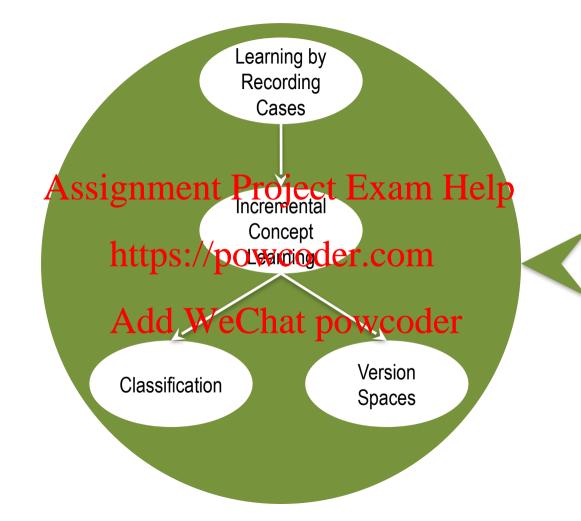
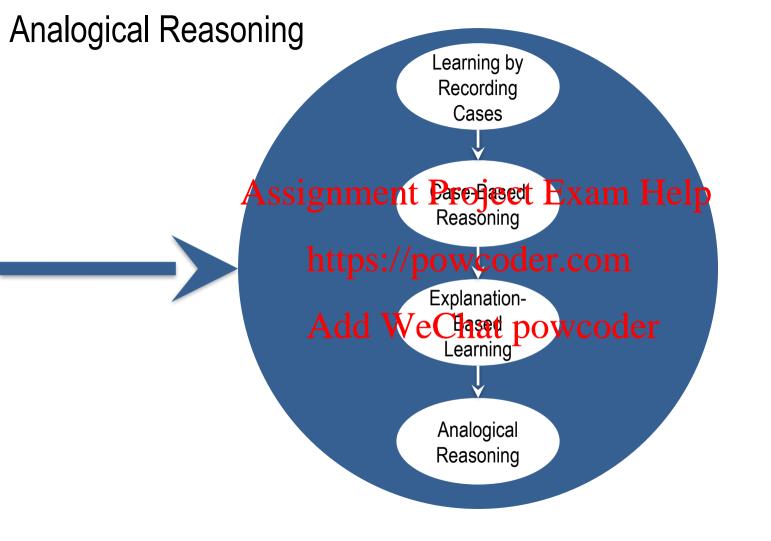


Learning

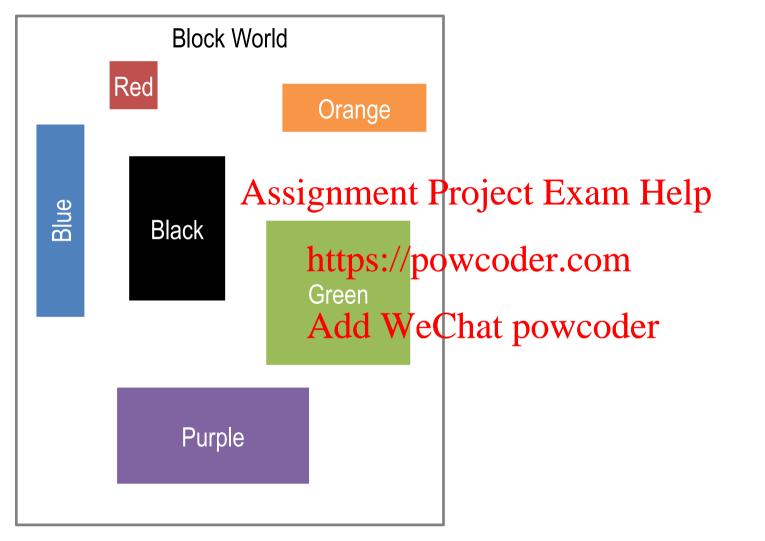


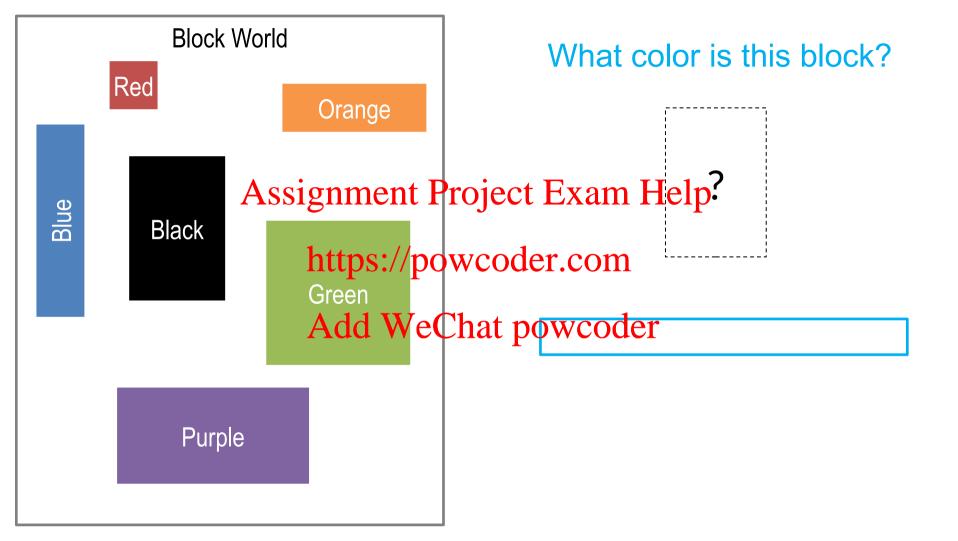


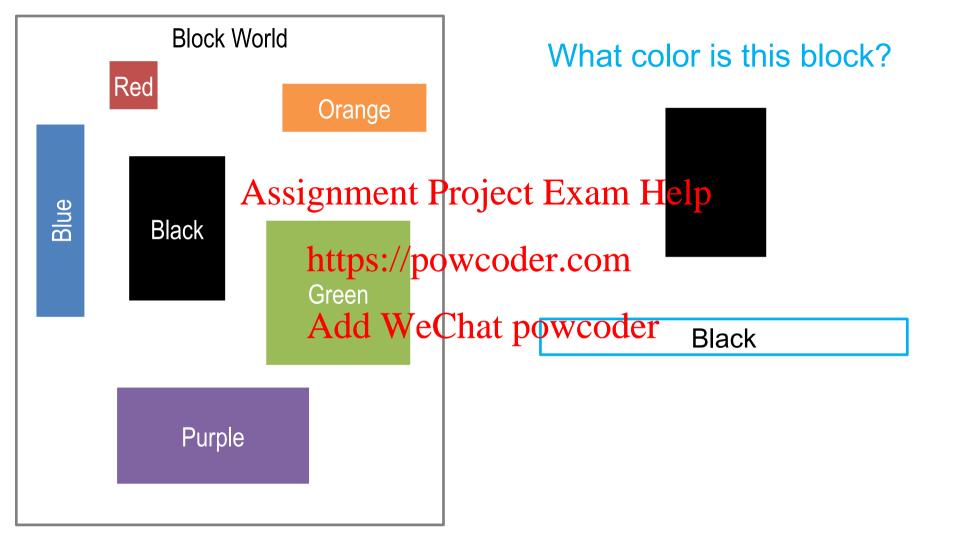
Lesson Preview

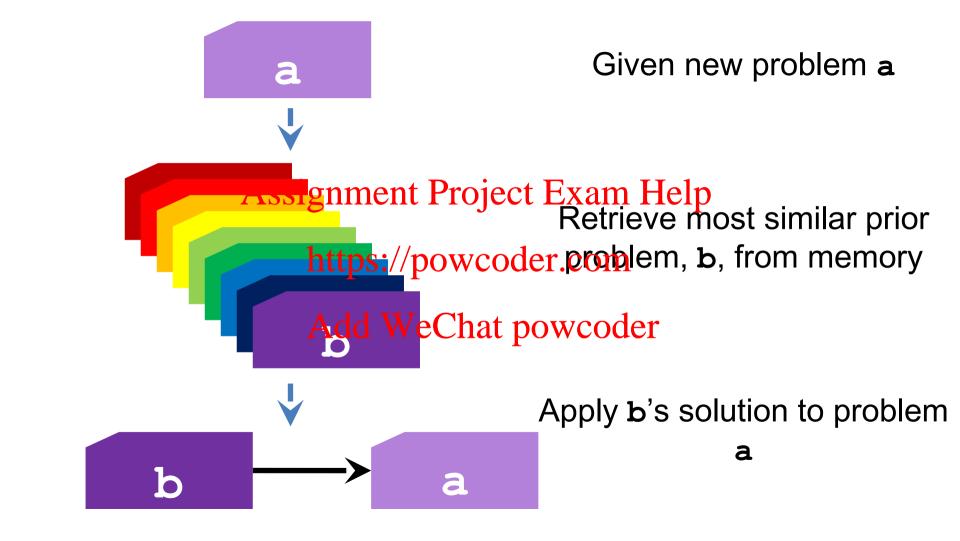
- Learning by recording cases
- Nearest neighbor method Assignment Project Exam Help
- Cases in the real world

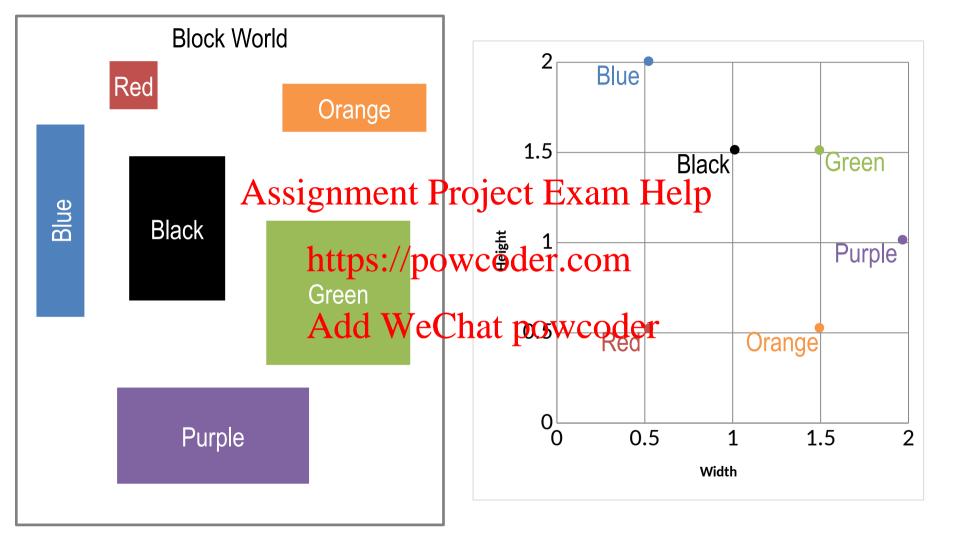
https://powcoder.com
 k-Nearest Neighbor

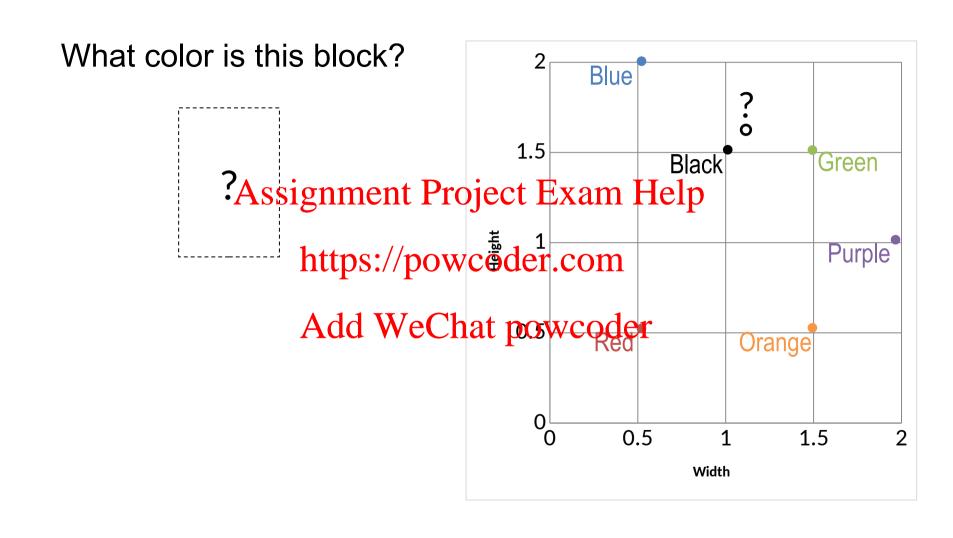












Finding the Nearest Neighbor Blue Given existing case at (x_c, y_c) and new problem at (x_n, y_n) 1.5 Black Green $d = \sqrt{(y_c - y_n)^2 \text{signment}} \text{ Project Exam Help}$ https://powceder.com Purple Add WeChat powcoder Orange 0 0.5 1.5 Width

Given existing case at (x_c, y_c) and new problem at (x_n, y_n)

$$d = \sqrt{(y_c - y_n)^2 \text{Signment}} \text{ Project Exam Help}$$

Block	x_c	y_c	x_n	it y as:	://pow
Blue		2.0	1.1	1.6	0.72
Red	0.5	0.5	1.1	Add d.g	WeCh:
Black	1.0	1.5	1.1	1.6	0.14
Green	1.5	1.5	1.1	1.6	0.41

1.0

1.17

1.08

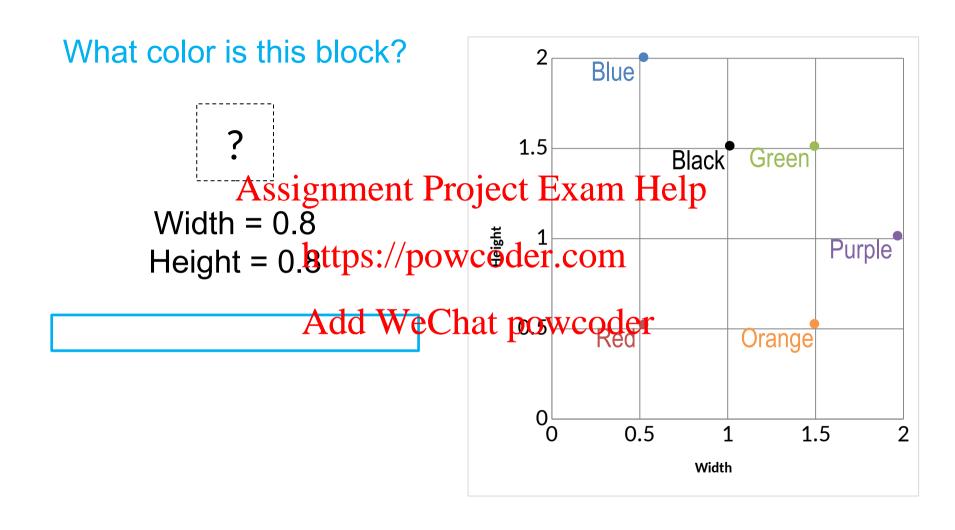
1.6

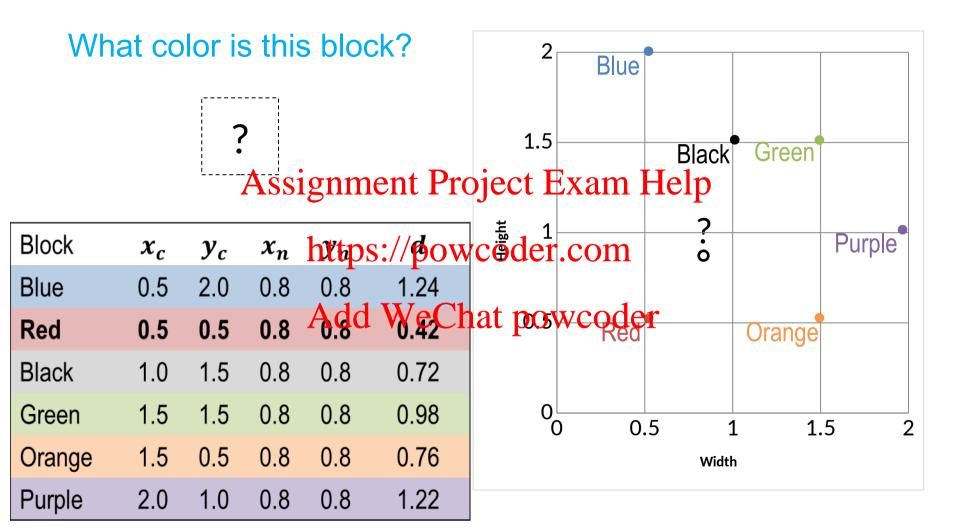
Orange

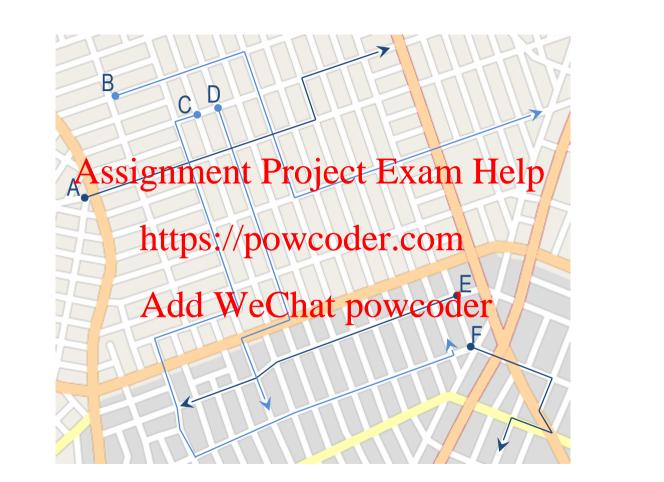
Purple

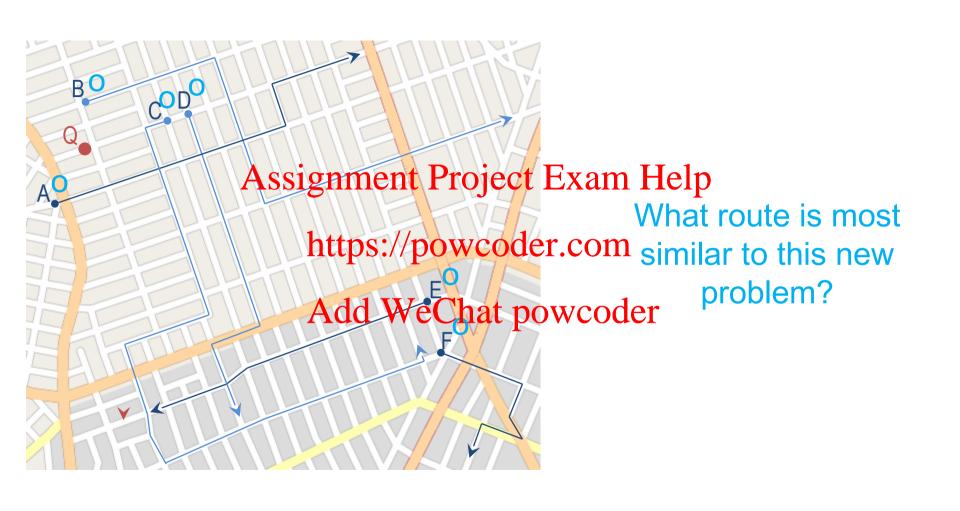
2.0

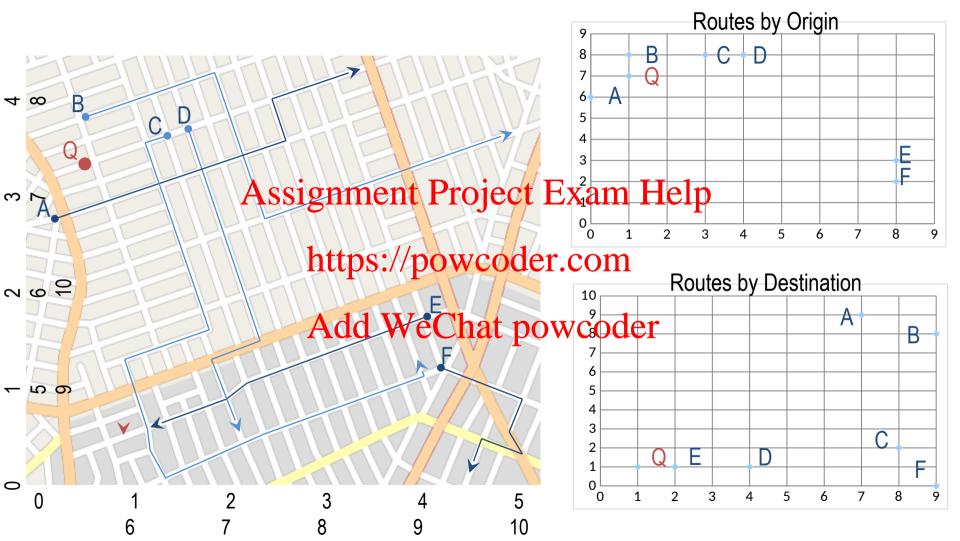
Blue 1.5 Black Green cëder.com Purple at powc Orange 0.5 1.5 Width

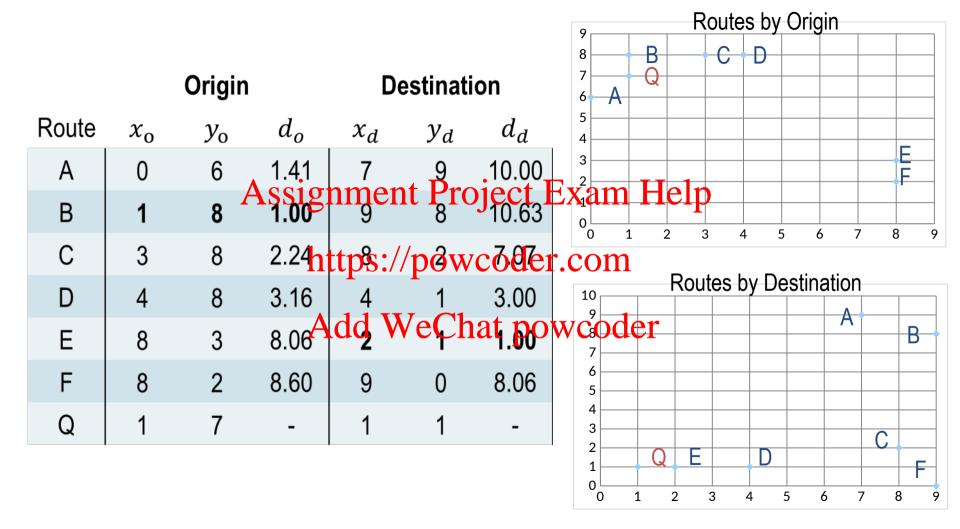






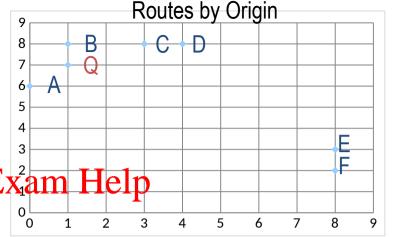




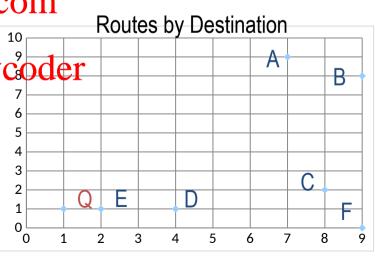


Given existing case at (x_c, y_c) and new problem at (x_n, y_n)

$$d = \sqrt{(y_c - y_n)^2 \text{ signment}} \text{ Project Ex}_0^2 \text{ an Help}$$



https://powcoder.com



Given existing case at (x_c, y_c) and new problem at (x_n, y_n)

$$d = \sqrt{(y_c - y_n^2)}$$
 Ssignment Project Exam Help

Routes by Origin

B C D

A S

EX

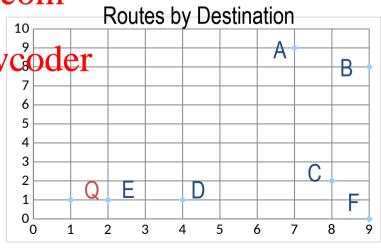
A Help

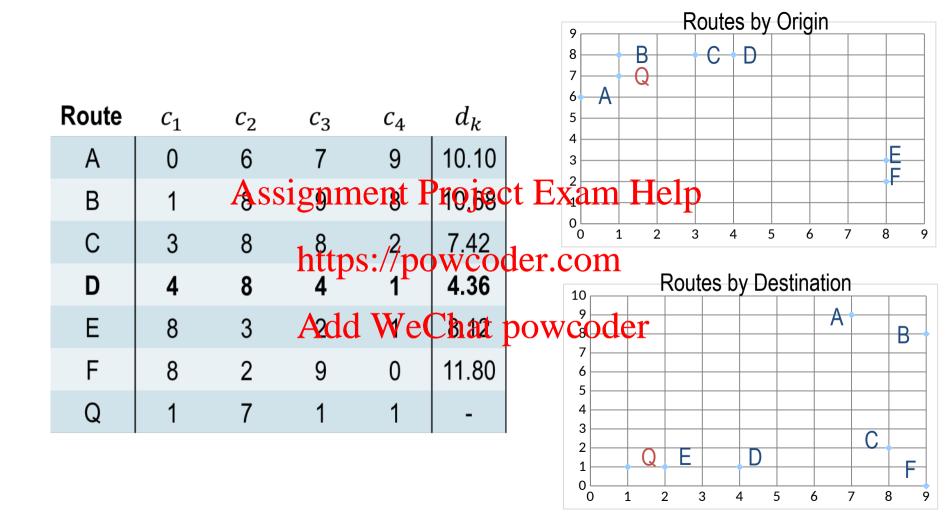
O 1 2 3 4 5 6 7 8 9

https://powcoder.com

Given existing case at $(c_1, c_2, \dots c_k)$ and new problem at $(p_1, p_2, \dots p_k)$ Chat power oder

$$d = \sqrt{\sum_{i=1}^k (c_i - p_i)^2}$$





Assignment

How would you use recording cases to design an agent that could answer Raven's Progressive Matrices?

Assignment Project Exam Help

https://powcoder.com

To recap...

- Recording and using cases
- Nearest neighbor method Assignment Project Exam Help
- Cases in real-world problems
 https://powcoder.co
- https://powcoder.com
 Nearest neighbor in k-dimensional problems

							Block	Block X _c Y _r X _r Y _r 0, 0	Block x _c y _c x _n y _n d Blue 0.5 2.0 1.1 1.6 0.72 Red 0.5 0.5 1.1 1.6 1.25 Black 1.0 1.5 1.1 1.6 0.44 Green 1.5 1.5 1.1 1.6 0.44 Orange 1.5 0.5 1.1 1.6 1.47 Purple 2.0 1.0 1.1 1.6 1.08	Block x _c y _c x _n y _n d Blue 0.5 2.0 1.1 1.6 0.72 Rod 0.5 0.5 1.1 1.6 1.25 Black 1.0 1.5 1.1 1.6 0.41 Green 1.5 1.5 1.1 1.6 0.41 Orange 1.5 0.5 1.1 1.6 1.17 Purple 2.0 1.0 1.1 1.6 1.08	Green 1.5 1.5 1.1 1.6 0.41 G	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Finding the Nearest						Blue	0.5	2.0	1.1	1.6	0.72	
Neighbor						Red	0.5	0.5	1.1	1.6	1.25	
						Black	1.0	1.5	1.1	1.6	0.14	
Given existing case at (and new problems and Projection Projectio					eete e xa	ıml H	elp	1.1	1.6	0.41		
				•		İ	Orange	1.5	0.5	1.1	1.6	1.17
Block				https	:://pow	C	odereco	m _{2.0}	1.0	1.1	1.6	1.08
Blue	0.5	2.0	1.1	1.6	0.72		Blue	<u>Ų.</u> 5	2.0	8.0	8.0	1.24
Red	0.5	0.5	1.1	Aga	West n	la	t powce	oder	0.5	8.0	8.0	0.42
Black	1.0	1.5	1.1	1.6	0.14		Black	1.0	1.5	8.0	8.0	0.72
Green	1.5	1.5	1.1	1.6	0.41		Green	1.5	1.5	8.0	8.0	0.98
Orange	1.5	0.5	1.1	1.6	1.17		Orange	1.5	0.5	8.0	8.0	0.76
Purple	2.0	1.0	1.1	1.6	1.08		Purple	2.0	1.0	8.0	8.0	1.22

Route	Reute c3 c2 c3 c4 d8 A 0 6 7 9 10,10 B 1 8 9 6 10,68 C 3 8 8 2 7,42 D 4 8 4 1 4,36 E 8 3 2 1 8,12 F 8 2 9 0 11,80 Q 1 7 1 1 -	Route c1 c2 c3 c4 c A 0 6 7 9 10 B 1 8 9 8 11 C 3 8 8 2 7 D 4 8 4 1 4 E 8 3 2 1 8 F 8 2 9 0 11 Q 1 7 1 1 1	la Route c1 c2 c3 c4 .10 A 0 6 7 9 .68 B 1 8 9 8 42 C 3 8 8 2 36 D 4 8 4 1 12 E 8 3 2 1 2 B 7 9 0 3 0 1 7 1 1	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Reute c1 c2 c3 c4 c4 A 0 6 7 9 11 B 1 8 9 8 11 C 3 8 8 2 7 D 4 8 4 1 4 E 8 3 2 1 8 F 8 2 9 0 1 Q 1 7 1 1 1	f _a 1.10 1.10 1.68 4.2 2.36 1.72 1.72 1.72 1.73 1.74 1.75 1.75 1.75 1.75 1.75 1.75 1.75 1.75						
Α	0	6	7	9	10.10							
В	1	8	9	8	10.68							
С	3	8	8	2	7.42							
D	4	8	Ass	ignme	214t3P	roje	ct Ex	Original Destination Roots Xa. Ya. da. 14 194 da. 1	elp botote x, y, Destination x _d y _d d _d	Origin Destination Route x ₀ y ₀ d _d x _d y _d d _d	estinat	ion Origin Destination da Room x ₀ y ₀ d ₀ x ₄ y ₂ d ₄
Е	8	3	2	1 1	8,12	Route	B 1 8 1.00 9 8 10.63 C 3 8 2.24 8 2 7.07 D 4 8 3.16 4 1 3.00 E 8 3 8.06 2 1 1.00 F 8 2 8.60 9 0 8.06	B 1 8 1.00 9 8 10.63 C 3 8 2.24 8 2 7.07 D 4 8 3.16 4 1 3.00 E 8 3 8.06 2 1 1.00 F 8 2 8.00 9 0 8.06	A 0 6 1.41 7 9 10.0 B 1 8 10.0 9 8 10.6 C 3 8 2.24 8 2 7.07 D 4 8 3.16 4 1 3.00 E 6 3 8.06 2 1 1.00 F 8 2 8.00 9 0 8.06 G 1 7 · 1 1 1 -	0 A 0 6 1.41 7 9 1000 3 B 1 8 1.00 9 8 1065 C 3 8 2.24 8 2 7.07 D 0 4 8 3.16 4 1 3.00 E 8 3 8.00 9 0 8.06 G 1 7 - 1 1 -	A 0 6 1.41 7 9 B 1 8 1.00 9 8 C 3 8 2.24 8 2 D 4 8 3.16 4 1 E 8 3 8.00 2 1 F 8 2 8.00 9 0 Q 1 7 - 1 1	1000 A 0 6 144 7 9 1000 1055 B 1 8 100 9 8 1055 7,07 C 3 8 2,24 8 2 7,07 3,00 D 4 8 3,16 4 1 3,00 1,00 E 8 3 8,06 2 1 1,00 8,06 F 8 2 8,50 9 0 8,06 . Q 1 7 - 1 1 .
F	8	2	9	nttps	11 <u>.80</u>	WCO	der.c	ona	1.41	7	9	10.00
Q	1	7	1	Add	WeC	hat B	powc	oder	1.00	9	8	10.63
						C	3	8	2.24	8	2	7.07
						D	4	8	3.16	4	1	3.00
						Ε	8	3	8.06	2	1	1.00
						F	8	2	8.60	9	0	8.06
						Q	1	7	_	1	1	-

Given existing case at (and new problems and mem problems are the contract of	Rroje	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Origin	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Ostinati Note 1	L
https://p	owco	oder.c	com	1.41	7	9	10.00
	В	1	8	1.00	9	8	10.63
Add We	e Ch at	p ₉ w	coder	2.24	8	2	7.07
Given existing case at (and new problem at (D	4	8	3.16	4	1	3.00
and new problem at (Е	8	3	8.06	2	1	1.00
	F	8	2	8.60	9	0	8.06
	Q	1	7	-	1	1	-