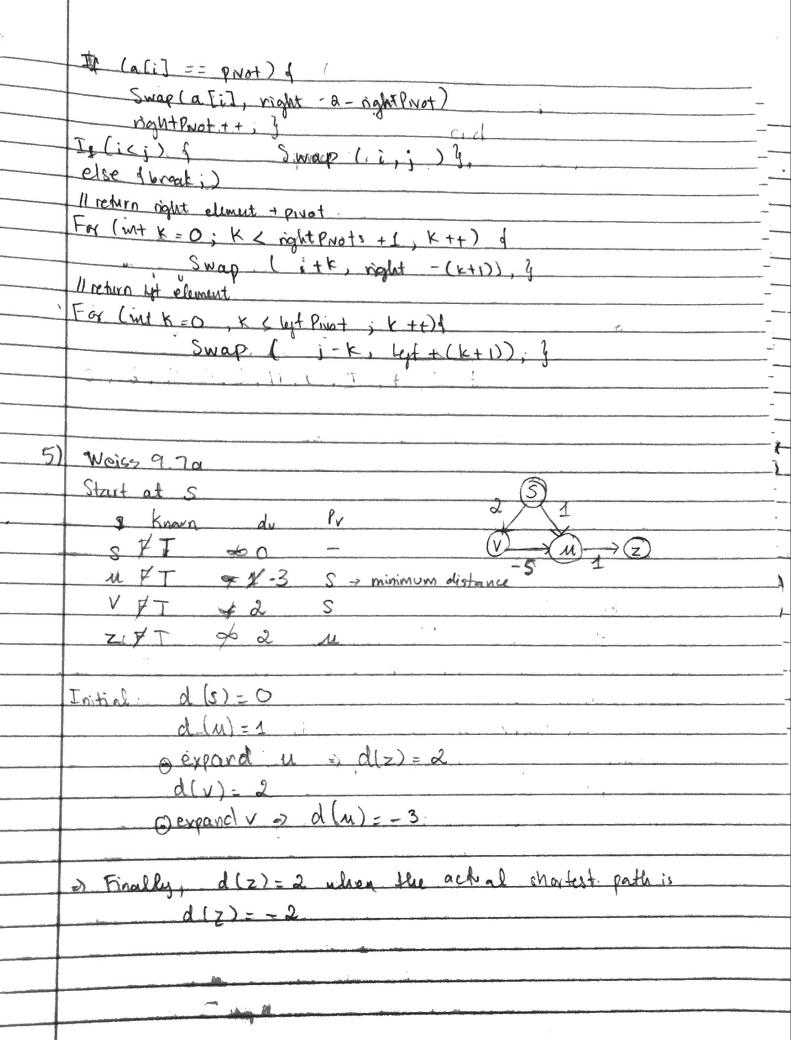


(112)3(534) Swap 3 & 1 Bolla partions meet cutoff => Insertion sort (3 4 5) Combine to getter

1123345569. 2) | Weiss 7.23 No, because in an unsorted array, it's maybe as well picking a random number If the number happen to be a maxe or a min, quicksoxt will take a long time 3) Woiss 7.280 int i = left; int j = vight - 1. int left Pivot = 0 ivit ight Pivot = 0 tax (;;) 1 while (a [++i] < pivot") & } Nhile (a [==]] > prot))) 18 (a [j] == pivot) Swap (a[j], lept + 1 + lept Priot); lept Prot ++; }



4)1) Wei	ss 9.1
C	11.2345670
A	0 0 0 0 0 0 0 0 0 0 0 10 11
6	1 1 0 0 0 0 0
C	2 1 1 1 0 0 0 0 0
0	2 3 3 3 3 2 1 1 0
= =====================================	4 4 3
F	2 3 3 4 1 0 0 0 0 0 0
G	1000000000
1	1 1 0 0 0 0 0 0 0 0
+	2 2 2 2 1 1 1 0 0 0 0
Engweu	S G D II
Dequey	S G D II F C t
	FIABEI FC t
	ordi:
S	G, D, H, A, B, E, I, F, C, E
6) Weiss	9.38.
a) Stick	a coordinates (21, 4, 22)
	am (
Stide	Departments, (x3, 43, Z2)
	< x4 1 y 4 , 7 4 >
Calculate	rector range:
Range	(x,x)= Rox R(4 1) - 0
Rla	3, 24) = Rbx R(y3+44) = Rby
Zevo,	the two strike are surelated
Ofher wis	k, we can calculate the cone conti
on the	e xya plane. The stick w/ higher Z-value is on top
1	

