

6 Even Still as	though a	resu		the n	ratching	proble	eur we
(7) As worst weight.	3,5	sensi		up which	had	remove	d the lowest
8) How on the	close	to ser of	X* we Steps	can get	prett take	g much	re 1,2 or
			ng 3-c	rdjacency e of	, jump f(x*)		f(Xnwn)
	7119						

Exercise 6: x* solution output from terminal

```
Weight: 0.0 soution: 4.724506678311034e-10
Weight: 1.7072386343133985 soution: 0.999999996703919
Weight: 1.1525390429142615 soution: 1.0158528885136048e-09
Weight: 1.5762883601668132 soution: 1.3640613908186706e-08
Weight: 1.606715046382856 soution: 0.9999999854372826
Weight: 1.424130671302386 soution: 1.5462297144799156e-08
Weight: 1.736444235624723 soution: 2.268246924228738e-09
Weight: 1.9343670147690148 soution: 6.45155614096176e-09
Weight: 1.9255685129067763 soution: 0.9999999928585426
Weight: 1.450839371404132 soution: 8.203825941623025e-09
Weight: 1.1132380458407551 soution: 1.243057907946173e-09
Weight: 1.9848411989623345 soution: 0.9999999511378935
Weight: 1.838898086445934 soution: 5.000747661826529e-08
Weight: 1.124662681203267 soution: 3.1381895722888826e-09
Weight: 1.9208418826173723 soution: 0.9999999769440047
Weight: 1.8698963620621283 soution: 2.368162668891683e-08
Weight: 1.518838057126072 soution: 0.9999999755432981
Weight: 1.5912754357449292 soution: 7.638052332967752e-09
Weight: 1.3990027038701303 soution: 1.9702673671986546e-09
Weight: 1.0547616388220313 soution: 1.3611582751066796e-09
Weight: 0.0 soution: 2.06820919930639e-09
Weight: 0.0 soution: 4.724506678311034e-10
Weight: 0.0 soution: 4.6110469642492254e-10
Weight: 0.0 soution: 5.509908124152164e-10
Weight: 0.0 soution: 4.321371464722306e-10
Weight: 0.0 soution: 5.55500585980154e-10
Weight: 0.0 soution: 5.194891615558129e-10
Weight: 0.0 soution: 3.5720541713942195e-10
Weight: 0.0 soution: 4.790406003578889e-10
Weight: 0.0 soution: 3.80502074275783e-10
Weight: 0.0 soution: 9.251045817632189e-10
Weight: 0.0 soution: 3.8348795752932375e-10
Weight: 0.0 soution: 3.8840831880108816e-10
Weight: 0.0 soution: 4.419571254768186e-10
Weight: 0.0 soution: 1.0476443211904967e-09
Weight: 0.0 soution: 2.6469743946183236e-10
Weight: 0.0 soution: 1.1525544778114362e-09
Weight: 0.0 soution: 3.492473394418922e-10
Weight: 0.0 soution: 8.595199801504681e-10
Weight: 0.0 soution: 3.1484157010931774e-10
Weight: 0.0 soution: 2.06820919930639e-09
This fractional matching contains 200.00000041706016 egdes
Cost which we were maximizing is: 338.20277289933085
```

```
Weight: 1.9255685129067763 soution: 1.0
Weight: 1.450839371404132 soution: 0.0
Weight: 1.1132380458407551 soution: 0.0
Weight: 1.9848411989623345 soution: 0.0
Weight: 1.838898086445934 soution: 1.0
Weight: 1.124662681203267 soution: 0.0
Weight: 1.9208418826173723 soution: 1.0
Weight: 1.8698963620621283 soution: 0.0
Weight: 1.518838057126072 soution: 0.0
Weight: 1.5912754357449292 soution: 1.0
Weight: 1.3990027038701303 soution: 0.0
Weight: 1.0547616388220313 soution: 1.0
Weight: 0.0 soution: 0.0
This matching contains 185.0 egdes
Cost which we were maximizing is: 300.8976888623149
```