

**FIGURE 9S.10:** Example of a Hospital Layout Problem Solved Using CRAFT

## Out-Patient Hospital Example Craft

**Legend:**

A = Xray/MRI Rooms

B = Laboratories

C = Admissions

D = Exam Rooms

E = Operating Rooms

F = Recovery Rooms

	1	2	3	4	5	6
1	A	A	A	A	B	B
2	A	A	A	A	B	B
3	D	D	D	D	D	D
4	C	C	D	D	D	D
5	F	F	F	F	F	D
6	E	E	E	E	E	D

Total Cost: 20,100  
Est. Cost Reduction .00  
Iteration 0

	1	2	3	4	5	6
1	D	D	D	D	B	B
2	D	D	D	D	B	B
3	D	D	D	E	E	E
4	C	C	D	E	E	F
5	A	A	A	A	A	F
6	A	A	A	F	F	F

Total Cost: 14,390  
Est. Cost Reduction 70.  
Iteration 3

**NOTE:** The software program went through three iterations to achieve the best possible layout for a total cost reduction of  $(\$20,100 - \$14,390 = \$5,710)$ .

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