

Majid Ahmed

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Q1) Variable \rightarrow Bolckus, Teachers, Courses

Domains \rightarrow Slots, Room

Q2) Using Degree heuristic
most ~~constant~~ ^{constraint} \rightarrow Dr Doom

took ^{classroom} time $N \rightarrow N$ values
 $\langle \text{Doom}, N, R, BCE, 10 \rangle$
 $\langle \text{Boom}, N, G, BCE, 11 \rangle$
 $\langle \text{Doom}, N, B, BCE, 2 \rangle$
 $\langle \text{Doom}, N, N, BCE, 3 \rangle$

At 1

Forward checking constraint

$\langle \text{Awesome}, N, R, QU, 9 \rangle$

Forward checking

$\langle \text{Handsome}, S, G, QU, 2 \rangle$

Now Forward checking

$\langle \text{Handsome}, S, B, SU, 9 \rangle$
 $\langle \text{Awesome}, S, W, QU, 10 \rangle$
 $\langle \text{Handsome}, S, R, U, 11 \rangle$
 $\langle \text{Awesome}, S, G, U, 3 \rangle$

Q3 9 10 11 2 3

S	QU SU	QU	U	QU	U
N	QU	BCE	BCE	BCE	BCE

4 courses and 4 batches

so $4 \times 4 = 16$ slots should
be available

but 10 only available