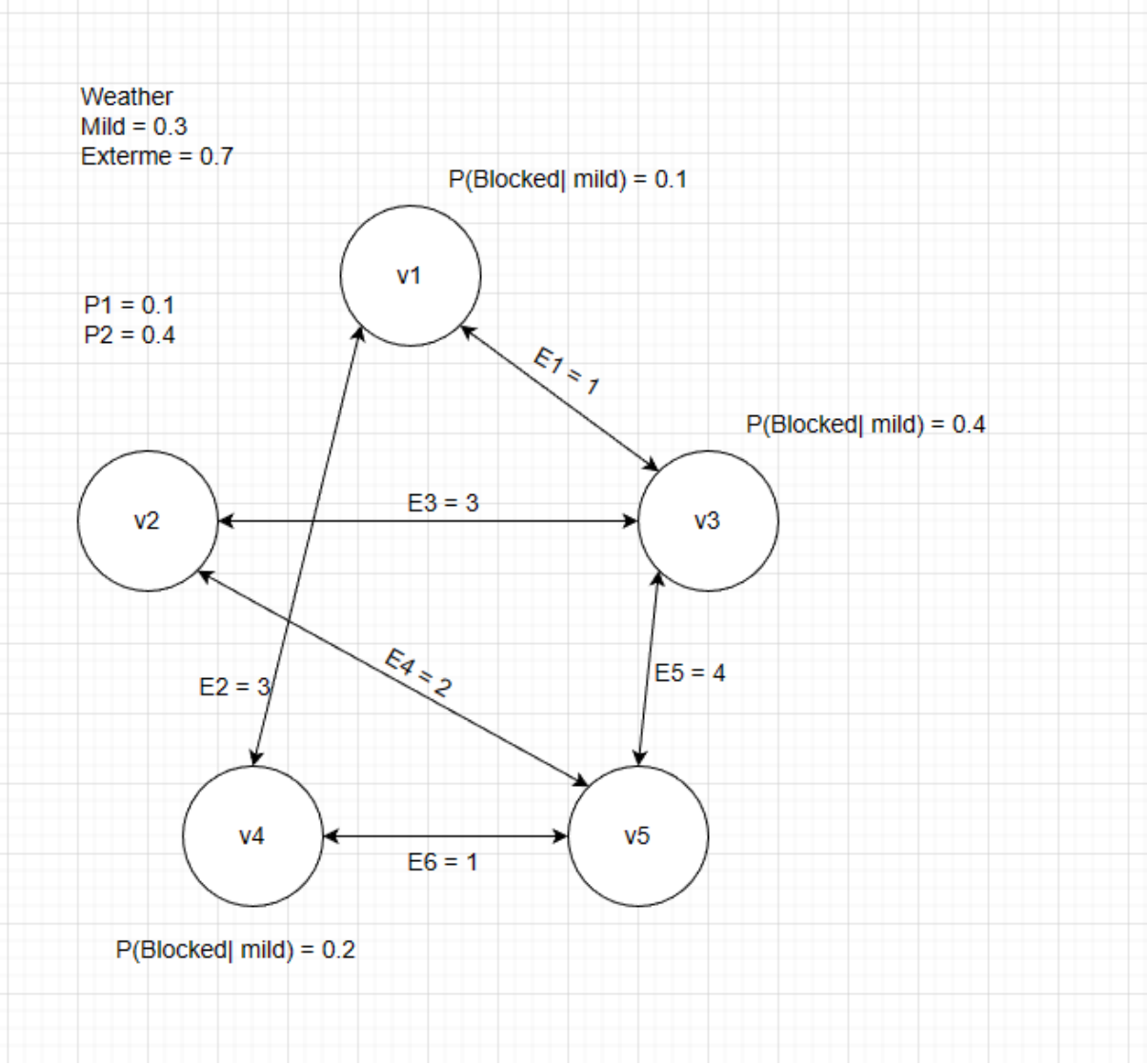
Part1 Example 2

Graph representation



WEATHER:

P(mild) = 0.3

P(stormy) = 0.0

P(extreme) = 0.7

VERTEX 1:

P(Blocked|Mild) = 0.1

P(Blocked|Stormy) = 0.2

P(Blocked|Extreme) = 0.3

P(Evacuees| Blockage3, not Blockage 4, not Blockage 1) = 0.9

P(Evacuees| not Blockage 3, Blockage4, not Blockage 1) = 0.7

P(Evacuees| not Blockage 3, not Blockage 4, Blockage1) = 0.6

P(Evacuees| Blockage3, Blockage4, Blockage1) = 0.99

P(Evacuees| Blockage3, Blockage4, not Blockage 1) = 0.97

P(Evacuees| Blockage3, not Blockage 4, Blockage1) = 0.96

P(Evacuees| not Blockage 3, Blockage4, Blockage1) = 0.88

P(Evacuees| not Blockage 3, not Blockage 4, not Blockage 1) = 0.0

VERTEX 2:

P(Blocked|Mild) = 0

P(Blocked|Stormy) = 0

P(Blocked|Extreme) = 0

P(Evacuees| Blockage3, not Blockage 5, not Blockage 2) = 0.7

P(Evacuees| not Blockage 3, Blockage5, not Blockage 2) = 0.8

P(Evacuees| not Blockage 3, not Blockage 5, Blockage2) = 0.6

P(Evacuees| Blockage3, Blockage5, Blockage2) = 0.98

P(Evacuees| Blockage3, Blockage5, not Blockage 2) = 0.94

P(Evacuees| Blockage3, not Blockage 5, Blockage2) = 0.88

P(Evacuees| not Blockage 3, Blockage5, Blockage2) = 0.92

P(Evacuees| not Blockage 3, not Blockage 5, not Blockage 2) = 0.0

VERTEX 3:

P(Blocked|Mild) = 0

P(Blocked|Stormy) = 0

P(Blocked|Extreme) = 0

P(Evacuees| Blockage1, not Blockage 2, not Blockage 5, not Blockage 3) = 0.9

P(Evacuees| not Blockage 1, Blockage2, not Blockage 5, not Blockage 3) = 0.7

P(Evacuees| not Blockage 1, not Blockage 2, Blockage5, not Blockage 3) = 0.6

P(Evacuees| not Blockage 1, not Blockage 2, not Blockage 5, Blockage3) = 0.6

P(Evacuees| Blockage1, Blockage2, Blockage5, Blockage3) = 1.0

P(Evacuees| Blockage1, Blockage2, Blockage5, not Blockage 3) = 0.99

P(Evacuees| Blockage1, Blockage2, not Blockage 5, Blockage3) = 0.99

P(Evacuees| Blockage1, Blockage2, not Blockage 5, not Blockage 3) = 0.97

P(Evacuees| Blockage1, not Blockage 2, Blockage5, Blockage3) = 0.98

P(Evacuees| Blockage1, not Blockage 2, Blockage5, not Blockage 3) = 0.96

P(Evacuees| Blockage1, not Blockage 2, not Blockage 5, Blockage3) = 0.96

P(Evacuees| not Blockage 1, Blockage2, Blockage5, Blockage3) = 0.95

P(Evacuees| not Blockage 1, Blockage2, Blockage5, not Blockage 3) = 0.88

P(Evacuees| not Blockage 1, Blockage2, not Blockage 5, Blockage3) = 0.88

P(Evacuees| not Blockage 1, not Blockage 2, Blockage5, Blockage3) = 0.84

P(Evacuees| not Blockage 1, not Blockage 2, not Blockage 5, not Blockage 3) = 0.0

VERTEX 4:

P(Blocked|Mild) = 0

P(Blocked|Stormy) = 0

P(Blocked|Extreme) = 0

P(Evacuees| Blockage1, not Blockage 5, not Blockage 4) = 0.7

P(Evacuees| not Blockage 1, Blockage5, not Blockage 4) = 0.9

P(Evacuees| not Blockage 1, not Blockage 5, Blockage4) = 0.6

P(Evacuees| Blockage1, Blockage5, Blockage4) = 0.99

P(Evacuees| Blockage1, Blockage5, not Blockage 4) = 0.97

P(Evacuees| Blockage1, not Blockage 5, Blockage4) = 0.88

P(Evacuees| not Blockage 1, Blockage5, Blockage4) = 0.96

P(Evacuees| not Blockage 1, not Blockage 5, not Blockage 4) = 0.0

VERTEX 5:

P(Blocked|Mild) = 0

P(Blocked|Stormy) = 0

P(Blocked|Extreme) = 0

P(Evacuees| Blockage2, not Blockage 3, not Blockage 4, not Blockage 5) = 0.8

P(Evacuees| not Blockage 2, Blockage3, not Blockage 4, not Blockage 5) = 0.6

P(Evacuees| not Blockage 2, not Blockage 3, Blockage4, not Blockage 5) = 0.9

P(Evacuees| not Blockage 2, not Blockage 3, not Blockage 4, Blockage5) = 0.6

P(Evacuees| Blockage2, Blockage3, Blockage4, Blockage5) = 1.0

P(Evacuees| Blockage2, Blockage3, Blockage4, not Blockage 5) = 0.99

P(Evacuees| Blockage2, Blockage3, not Blockage 4, Blockage5) = 0.97

P(Evacuees| Blockage2, Blockage3, not Blockage 4, not Blockage 5) = 0.92

P(Evacuees| Blockage2, not Blockage 3, Blockage4, Blockage5) = 0.99

P(Evacuees| Blockage2, not Blockage 3, Blockage4, not Blockage 5) = 0.98

P(Evacuees| Blockage2, not Blockage 3, not Blockage 4, Blockage5) = 0.92

P(Evacuees| not Blockage 2, Blockage3, Blockage4, Blockage5) = 0.98

P(Evacuees| not Blockage 2, Blockage3, Blockage4, not Blockage 5) = 0.96

P(Evacuees| not Blockage 2, Blockage3, not Blockage 4, Blockage5) = 0.84

P(Evacuees| not Blockage 2, not Blockage 3, Blockage4, Blockage5) = 0.96

P(Evacuees| not Blockage 2, not Blockage 3, not Blockage 4, not Blockage 5) = 0.0