/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* OPL 12.5.1.0 Data

\* Author: chetan.kc

\* Creation Date: 21/06/2016 at 12:50:52

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

xtruck = 7;

ytruck = 9;

wtruck = 90;

nt=25;

np=80;

xDim=[3 2 2 2 4 3 3 5 3 2 2 5 3 2 2 2 4 3 3 5 3 2 2 5 3 3 3 4 3 2 4 3 3 3 3 4 3 2 4 3 3 2 2 2 4 3 3 5 3 2 2 5 3 2 2 2 4 3 3 5 3 2 2 5 3 3 3 4 3 2 4 3 3 3 3 4 3 2 4 3]; //dimension of the packet

yDim=[1 2 3 2 3 4 2 5 4 5 2 3 4 2 1 2 3 2 3 4 2 5 4 5 2 3 4 2 2 3 3 4 5 6 2 3 3 4 5 6 1 2 3 2 3 4 2 5 4 5 2 3 4 2 1 2 3 2 3 4 2 5 4 5 2 3 4 2 2 3 3 4 5 6 2 3 3 4 5 6];

wp=[10 17 20 10 20 13 15 10 13 15 10 20 10 17 20 10 20 13 15 10 13 15 10 20 30 15 18 10 14 15 23 14 30 15 18 10 14 15 23 14 10 17 20 10 20 13 15 10 13 15 10 20 10 17 20 10 20 13 15 10 13 15 10 20 30 15 18 10 14 15 23 14 30 15 18 10 14 15 23 14];

//SDM=[

// [0 1]

// [1 0]

// ];

// matrix

SDM = [

[0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0]

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];

**Solution with objective 1350**

**00:4:30:50**

**Used truck = 21**

**z=90**

xtruck = 7;

ytruck = 9;

wtruck = 80;

nt=20;

np=80;

**Solution with objective 1356**

**z=78**

**Used truck = 16**

**00:44:35:33**

xtruck = 11;

ytruck = 13;

wtruck = 80;

nt=20;

np=80;

Used truck: 17

**Solution with objective: 1358**

**00:14:52:77**

**z= 78**