

```
%%%%%%%%%%
%%% tasks.lp
%%%%%%%%%%
```

```
Minimize
  x6 - x1
Subject To
  x1 - x2 <= - 4.1
  x1 - x3 <= - 3.7
  x2 - x4 <= - 2.9
  x2 - x5 <= - 5.1
  x3 - x4 <= - 3.7
  x3 - x5 <= - 5.6
  x4 - x6 <= - 2.4
  x5 - x6 <= - 2.2
End
```

```
%%%%%%%%%%
%%% tasks.sol
%%%%%%%%%%
```

```
# Objective value = 11.5
x6 11.5
x1 0
x2 4.1
x3 3.7
x4 9.1
x5 9.3
```

```
%%%%%%%%%%
%%% dual.lp
%%%%%%%%%%
```

```
Minimize
  -4.1 y12 - 3.7 y13 - 2.9 y24 - 5.1 y25 - 3.7 y34 - 5.6 y35 - 2.4 y46 - 2.2 y56
Subject To
  y12 + y13 = 1
  - y12 + y24 + y25 = 0
  - y13 + y34 + y35 = 0
  - y24 - y34 + y46 = 0
  - y25 - y35 + y56 = 0
  - y46 - y56 = -1
End
```

```
%%%%%%%%%%  
%%% dual.sol  
%%%%%%%%%%
```

```
# Objective value = -11.5  
y12 0  
y13 1  
y24 0  
y25 0  
y34 0  
y35 1  
y46 0  
y56 1
```