



Forum: Free Express i¼^è#ç"±â^—è»Ši¼%o

Topic: OPTIMIZATION THEORY

Subject: Re: OPTIMIZATION THEORY

Posted by: Anonymous

Posted on: 2007/3/13 10:33:35

Thanks Tim.

I'll give it another try by compressing the document ...

SOLUTION TO OPTIMIZATION THEORY

20 x 5.1m sawn into

LARGE SIZE

20 x 1.99m = 39.8m

20 x 1.33m = 26.6m

MEDIUM SIZE

08 x 1.755m = 14.04m

04 x 0.985m = 3.94m

SMALL SIZE

08 x 1.700m = 13.6m

04 x 0.765m = 3.06m

Wastage : 0.96m

08 x 5.1m sawn into

LARGE SIZE

16 x 2.035m = 32.56m

MEDIUM SIZE

08 x 0.89m = 7.12m

SMALL SIZE

- nil -

Wastage : 1.12m

02 x 5.1 sawn into

LARGE SIZE

04 x 2.35m = 8.14m

MEDIUM SIZE

- nil -

SMALL SIZE

02 x 0.67m = 1.34m

Wastage : 0.72m

04 x 5.1m sawn into

LARGE SIZE

10 x 1.425m = 14.25m

- nil -

MEDIUM SIZE

- nil -

- nil -

SMALL SIZE

02 x 1.655m = 3.31m

02 x 0.670m = 1.34m

Wastage : 1.5m

07 x 5.1m sawn into

LARGE SIZE

- nil -

- nil -

MEDIUM SIZE

08 x 1.8m = 14.4m

- nil -

SMALL SIZE

06 x 1.655m = 9.93m

04 x 0.670m = 2.68m

Wastage : 8.69m

Summary:

41 x 5.1m = 209.10m

Large Size uses = 121.35m

Medium Size uses = 39.50m

Small Size uses = 35.26m

Total Usage = 196.11m

Wastage = 12.90m

% Wastage = $12.90/209.10 \times 100$

= 6.212339%

=====