

## SPOJ Problem Set (tutorial)

### 4138. Harry and big doughnuts

#### Problem code: DOUGHNUT

Young Harry was asked to buy some foodstuff to his neighbour - weird old lady who owned a lot of fat cats. But cats were weird too and they ate only doughnuts. So the lady wanted Harry to bring exactly one doughnut to each of her pets - and she had  $c$  of them. Harry had a rucksack with him but as he was a little boy he could hump only  $k$  kilograms. Harry knew that each doughnut weights  $w$  kilograms (big cats, big doughnuts). Help him decide whether he should go to supermarket and buy the foodstuff or just give up and dream he could do some magic...

#### Input

There is a single positive integer  $t$  ( $t \leq 100$ ) on the first line of input which corresponds to the number of tests (Harry was asked to buy doughnuts few times). Then  $t$  lines follow, each containing three numbers:  $c$ ,  $k$  and  $w$  ( $1 \leq c, k, w \leq 100$ ).

```
>
> t [number of tests]
> c k w [number of cats, Harry's hoisting capacity and weight of doughnut]
> c k w [next test case]
> ... <p>
```

#### Output

$t$  lines containing word "yes" if Harry is capable of handling the task or "no" if doughnuts would cause his spine crack.

#### Example

```
Input :
3
5 15 3
1 5 4
13 25 2
```

```
Output :
yes
yes
no
```

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Added by: Filip Wielewski  
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Source limit:50000B  
Languages: All except: TECS