

Problem Sets:

- 1.** Chef wants to appear in a competitive exam. To take the exam, there are following requirements:
- Minimum age limit is XX (i.e. Age should be **greater than or equal** to XX).
 - Age should be **strictly less** than YY.

Chef's current Age is AA. Find whether he is currently eligible to take the exam or not.

Input Format

- First line will contain TT, number of test cases. Then the test cases follow.
- Each test case consists of a single line of input, containing three integers X,Y,X,Y, and AA as mentioned in the statement.

Output Format

For each test case, output YES if Chef is eligible to give the exam, NO otherwise.

You may print each character of the string in uppercase or lowercase (for example, the strings YES, yEs, yes, and yeS will all be treated as identical).

Constraints

- $1 \leq T \leq 1000$
- $20 \leq X < Y \leq 40$
- $10 \leq A \leq 50$

Sample 1:

Input

```
5
21 34 30
25 31 31
22 29 25
20 40 15
28 29 28
```

Output

```
YES
NO
YES
NO
YES
```

Problem Set: 1

```
int main( )
```

```
{ int t;
```

```
scanf ("%d", &t)
```

```
for (int i = 0; i < t, i++)
```

```
{ int x, y, a;
```

```
scanf ("%d%d%d", &x, &y, &a);
```

```
if (x <= a && a < y)
```

```
printf ("YES");
```

```
else
```

```
printf ("NO");
```

```
printf ("\n");
```

```
}
```

```
return 0;
```

```
}
```

Algorithm :

- ① Start
- ② Input and declared t .
- ③ Using for condition.
- ④ for (int $i=0$; $i < t$; $i++$)
- ⑤ Input and declaration X, Y, A .
- ⑥ if statement
 1. $X \leq A$
 2. $A < Y$
- ⑦ print Yes.
- ⑧ Condition not satisfied to print No.
- ⑨ Go to step vi.
- ⑩ End.

Pseudocode:

Step 1: Input,
int t;

Step 2: Loop,
for (int i=0; i<t, i++)

step 3: int x, y, A;

step 4: if (x <= A && A < y)
printf("yes");

step 5: else
printf("No");

step 6: End.



<global>



Management x

1 Projects Files

workspace

NWU_System_Breaker

Sources

main.c x

1 #include <stdio.h>

2 #include <stdlib.h>

3

4 int main()

5 {

6 int t;

7 scanf("%d",&t);

8 for(int i=0;i<t;i++)

9 {

10 int X,Y,A;

11 scanf("%d %d %d",&X,&Y,&A);

12 if (X<=A && A<Y)

13 printf("YES");

14 else

15 printf("NO");

16

17 printf("\n");

18 }

19

20 return 0;

21 }

22

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ messages x Cscope x Debugger x

Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\C:\Program Files (x86)\Common Files\Intel\Shared Libraries\redist\intel64

\compiler;C:\ProgramData\Oracle\Java\javapath;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Windows\System32;C:\Windows;C:\Windows\System32\wbem;C:

\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;C:\Users\User\AppData\Local\Microsoft\WindowsApps

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\User\Documents\NWU_SYSTEM_BREAKERS\bin\Debug\NWU_System_Breakers.exe" (in C:\Users\User

\Documents\NWU_SYSTEM_BREAKERS\.)

C:\Users\User\Documents\NWU_SYSTEM_BREAKERS\main.c

C/C++

Windows (CR+LF)

WINDOWS-1252

Line 1, Col 1, Pos 0

Insert

Read/Write

default

5

21 34 30

YES

25 31 31

NO

22 29 25

YES

20 40 15

NO

28 29 28

YES

Process returned 0 (0x0) execution time : 91.098 s

Press any key to continue.

5

21 34 30

YES

25 31 31

NO

22 29 25

YES

20 40 15

NO

28 29 28

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25 31 31

NO