Write a function that returns the maximum of four given integer numbers $a$, $b$, $c$ and $d$.

**Interface**

C++, C

```c
int max4(int a, int b, int c, int d);
```

Java

```java
public static int max4(int a, int b, int c, int d);
```

Python

```python
max4(a, b, c, d)  # returns int
```

**Observation**

You only need to submit the required procedure; your main program will be ignored.

**Hint**

Using function $\text{max2}(a, b)$ of exercise could be useful.

**Problem information**

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