# integer

*Integer data type predicates.*

author:
```
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```
version:
```
1.5
```
date:
```
2009/7/6
```

compilation:
```
static, context_switching_calls
```
extends:
```
public number
```

## Public interface

### between/3

*Returns integers in the interval defined by the two first arguments.*

compilation:
```
static
```
template:
```
between(Lower,Upper,Integer)
```

mode - number of solutions:
```
between(+integer,+integer,+integer) - zero_or_one
between(+integer,+integer,-integer) - zero_or_more
```

### plus/3

*Reversible integer sum. At least two of the arguments must be instantiated to integers.*

compilation:
```
static
```
template:
```
plus(I,J,Sum)
```

mode - number of solutions:
```
plus(+integer,+integer,?integer) - zero_or_one
plus(+integer,?integer,+integer) - zero_or_one
plus(?integer,+integer,+integer) - zero_or_one
```

### succ/2

compilation:
```
static
```

mode - number of solutions:
```
succ(+integer,?integer) - zero_or_one
succ(?integer,+integer) - zero_or_one
```

### sequence/3

*Generates a list with the sequence of all integers in the interval [Inf, Sup], assuming Inf =< Sup.*

compilation:
```
static
```

template:
```
sequence(Inf,Sup,List)
```
mode - number of solutions:
```
sequence(+integer,+integer,-list(integer)) - zero_or_one
```

# Protected interface

*(see related entities)*

# Private predicates

*(see related entities)*