To implement power function

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| Public static int pow(int x ,int n, int d)  int result = 1; |
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| --- |
| int square = x; |
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| --- |
| if(x == 0) |
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| --- |
| return 0; |
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| --- |
| if(n == 0) |
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|  |
| --- |
| return 1; |
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| --- |
| while(n != 0){ |
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|  |
| --- |
| if(n % 2 != 0){ |
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| --- |
| result = result \* square; |
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| --- |
| } |
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| --- |
| square = (square \* square) % d; |
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| --- |
| n = n/2; |
|  |

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| --- |
| if(result > d) |
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| --- |
| result = result % d; |
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| --- |
| } |
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| --- |
| System.out.println(result); |
|  |

System.out.println((result + d) % d);