AUTOMATICALLY GENERATED LATEX

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0.1 INPUT CODE

```
isPrime(n)
{
    if (n < 2 || (n != 2 && n % 2 == 0))
    {
        return false;
    }
    for(i = 3; i < sqrt(n); i = i + 2)
    {
        if(n % i == 0)
        {
            return false;
        }
    }
    return true;
}
```

0.2 CONVERTED LINES

$$isPrime\left(n\right) = L_{2}\left(n, i\right)$$

$$L_{2}\left(n, i\right) = L_{3}\left(n, i\right)$$

$$L_{3}\left(n, i\right) = \Delta_{n<2 \vee (n \neq 2 \wedge n \bmod 2 == 0)}\left(L_{4}\left(n, i\right), L_{6}\left(n, i\right)\right)$$

$$L_{4}\left(n, i\right) = L_{5}\left(n, i\right)$$

$$L_{5}\left(n, i\right) = 0$$

$$L_{6}\left(n, i\right) = L_{7}\left(n, i\right)$$

$$L_{7}\left(n, i\right) = F_{1}\left(n, 3\right)$$

$$F_{1}\left(n, i\right) = \Delta_{i<\sqrt{n}}\left(L_{8}\left(n, i\right), L_{14}\left(n, i\right)\right)$$

$$L_{8}\left(n, i\right) = L_{9}\left(n, i\right)$$

$$L_9(n,i) = \Delta_{n \bmod i==0}(L_{10}(n,i), L_{12}(n,i))$$

$$L_{10}(n,i) = L_{11}(n,i)$$

$$L_{11}(n,i) = 0$$

$$L_{12}(n,i) = L_{13}(n,i)$$

$$L_{13}(n,i) = F_1(n,i+2)$$

$$L_{14}(n,i) = 1$$

$$L_{15}(n,i) = \infty$$

0.3 SQUISHED LINES

$$isPrime(n) = \Delta_{n<2 \vee (n \neq 2 \wedge n \bmod 2==0)}(0, F_1(n,3))$$

$$F_1(n,i) = \Delta_{i<\sqrt{n}}(\Delta_{n \bmod i==0}(0, F_1(n,i+2)), 1)$$

0.4 CONVERTED CODE

```
function isPrime(n) {
    return ( n < 2 || ( n != 2 && n % 2 == 0))? 0 : F1( n,3);
}
function F1(n,i) {
    return ( i < Math.sqrt n))? ( n % i == 0)? 0 : F1( n,i + 2): 1;
}
```