CONVERSIONS BETWEEN LITERALS AND STRINGS FOR FLOATING POINT NUMBERS AND INTEGRAL NUMBERS IN BASE 2, 8, 10 AND 16
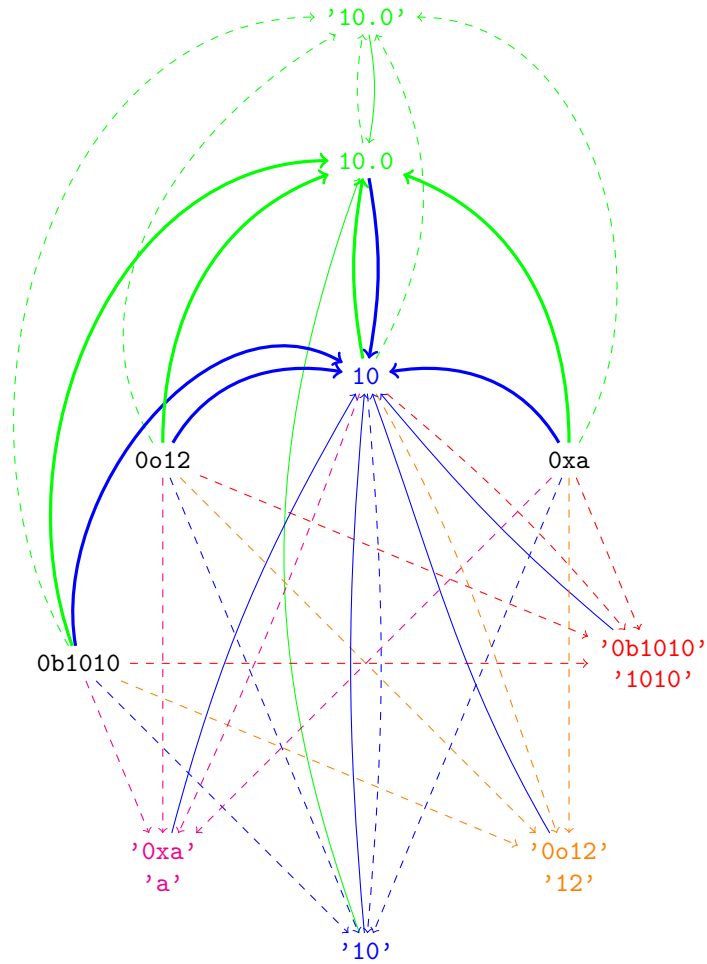
ERIC MARTIN

'10.0'

10.0

10

0o12   0xa

'0b1010'
'1010'

0b1010

'0xa'
'a'

'0o12'
'12'

'10'

```
10.0   float(0b1010)  float(0o12)  float(10)  float(0xa)
10.0   float('10')  float('10.0')
'10.0'   '{:.1f}'.format(0b1010)  '{:.1f}'.format(0o12)  '{:.1f}'.format(10)
         str(10.0)  '{:.1f}'.format(10.0)  '{:.1f}'.format(0xa)
  10   0b1010  int(0b1010)  0o12  int(0o12)  int(10.0)  0xa  int(0xa)
  10   int('0b1010', 2)  int('1010', 2)  int('0o12', 8)  int('12', 8)  int('10')
       int('0xa', 16)  int('a', 16)
'10'   str(0b1010)  str(0o12)  str(10)  str(0xa)
'0b1010'   bin(0b1010)  '{:#b}'.format(0b1010)  bin(0o12)  '{:#b}'.format(0o12)
           bin(10)  '{:#b}'.format(10)  bin(0xa)  '{:#b}'.format(0xa)
'1010'   '{:b}'.format(0b1010)
         '{:b}'.format(0o12)  '{:b}'.format(10)  '{:b}'.format(0xa)
'0o12'   oct(0b1010)  '{:#o}'.format(0b1010)  oct(0o12)  '{:#o}'.format(0o12)
         oct(10)  '{:#o}'.format(10)  oct(0xa)  '{:#o}'.format(0xa)
'12'   '{:o}'.format(0b1010)  '{:o}'.format(0o12)
       '{:o}'.format(10)  '{:o}'.format(0xa)
'0xa'   hex(0b1010)  '{:#x}'.format(0b1010)  hex(0o12)  '{:#x}'.format(0o12)
        hex(10)  hex(0xa)  '{:#x}'.format(0xa)
'a'   '{:x}'.format(0b1010)  '{:x}'.format(0o12)  '{:x}'.format(10)
      '{:x}'.format(0xa)
```