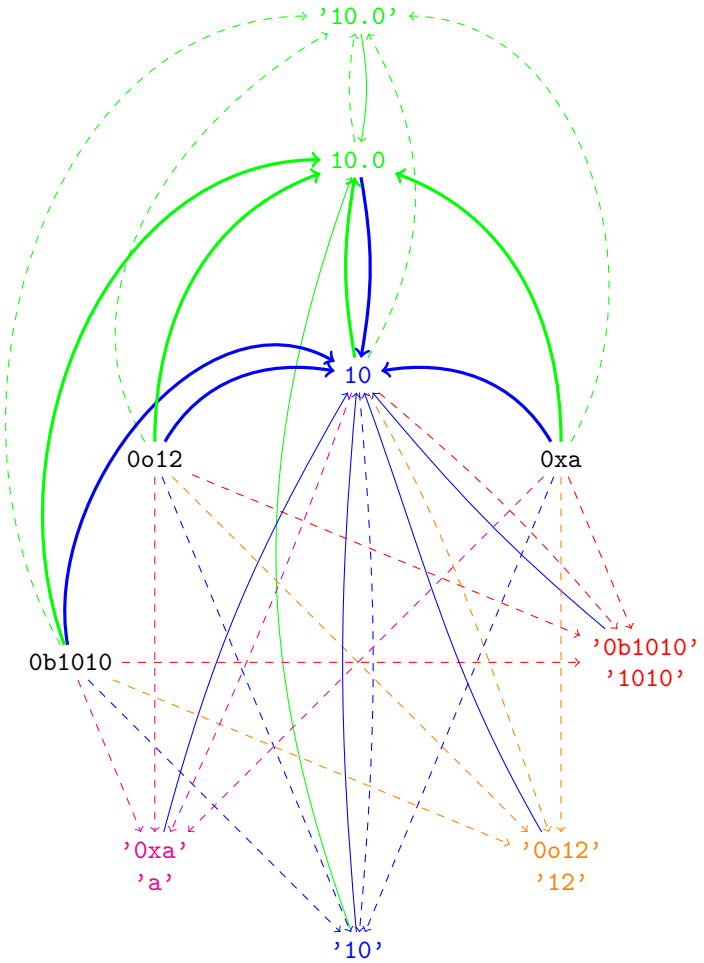
CONVERSIONS BETWEEN LITERALS AND STRINGS FOR FLOATING POINT NUMBERS AND INTEGRAL NUMBERS IN BASE 2, 8, 10 AND 16

ERIC MARTIN



Date: Session 1, 2018.

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