```
def stars(m, t):
  stroka = "This is a star of " + str(m) + " solar masses and " + str(t) + " K."
  #  print(stroka)
  return stroka


def black_hole(m):
  stroka = "This is black hole of " + str(m) + " solar masses."
  #  print(stroka)
  return stroka


def non_type(t):
  stroka = "This is an unidentified object of " + str(t) + " K."
  #  print(stroka)
  return stroka


def star_type(m, t=None, determinant=None):
  """print(arr)"""
  if t is None:
     result = black_hole(m)
  elif m == 0 and t is not None:
     result = non_type(t)
  else:
     if determinant is not None:
        m, t = determinant(m, t)
     result = stars(m, t)
  return result


print(star_type(12, 6900,
             determinant=lambda x, y: (round(0.95 * x, 3) if x > 10 else x, y)))
print(star_type(190, None, determinant=lambda x, y: (x, y)))

"""print(star_type(5, 3700))
print(star_type(1000))
print(star_type(0, 15000))"""
```