e_1, e_2, e_3 are expressions
v is a variable

```
if e1:
    v = e2
else:
    v = e3
```
$\longrightarrow$ $\{ v = e_2 \text{ if } e_1 \text{ else } e_3 \}$

```
def f(args):
    return expr
```
$\longrightarrow$ $\{$lambda args : expr$\}$

f

$\{ x^2 \mid x \in \mathbb{N}, x \geq 0 \}$

```
xs = []
for x in e1:
    xs.append(e2)
```
$\longrightarrow$ $\{ xs = [e_2 \text{ for } x \text{ in } e_1] \}$

```
xs = []
for x in e1:
    if e2:
        xs.append(e3)
```
$\longrightarrow$ $xs = [e_3 \text{ for } x \text{ in } e_1 \text{ if } e_2]$