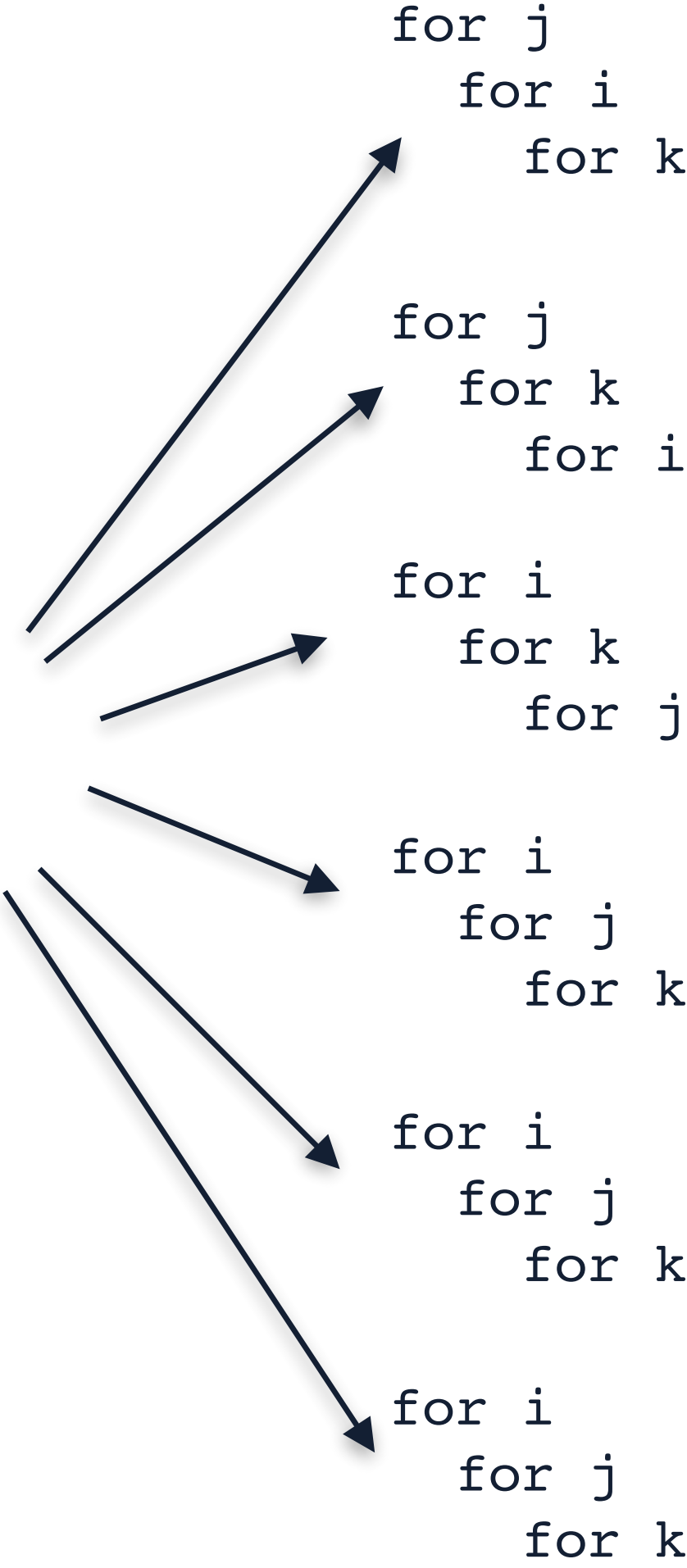
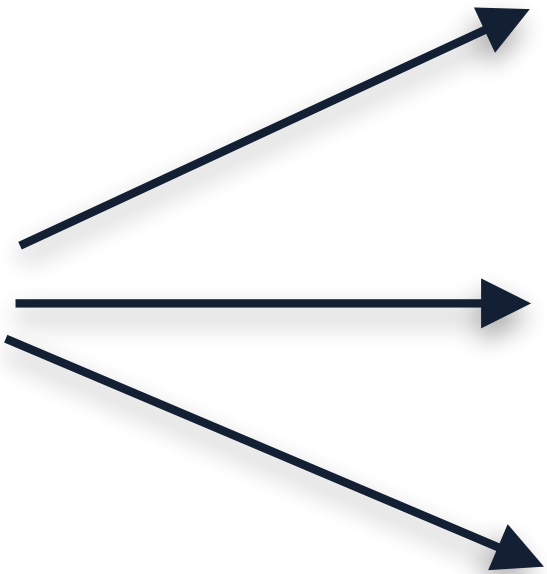
Optimization Space

- triple nested loop

```
for i
  for j
    for k
```


for j
for i
for k
for j
for k
for i
for i
for k
for j
for i
for j
for k
for i
for j
for k
for i
for j
for k



```
for j
  for i
    for k/2

for j
  for i
    for k/4

for j
  for i
    for k/8
```

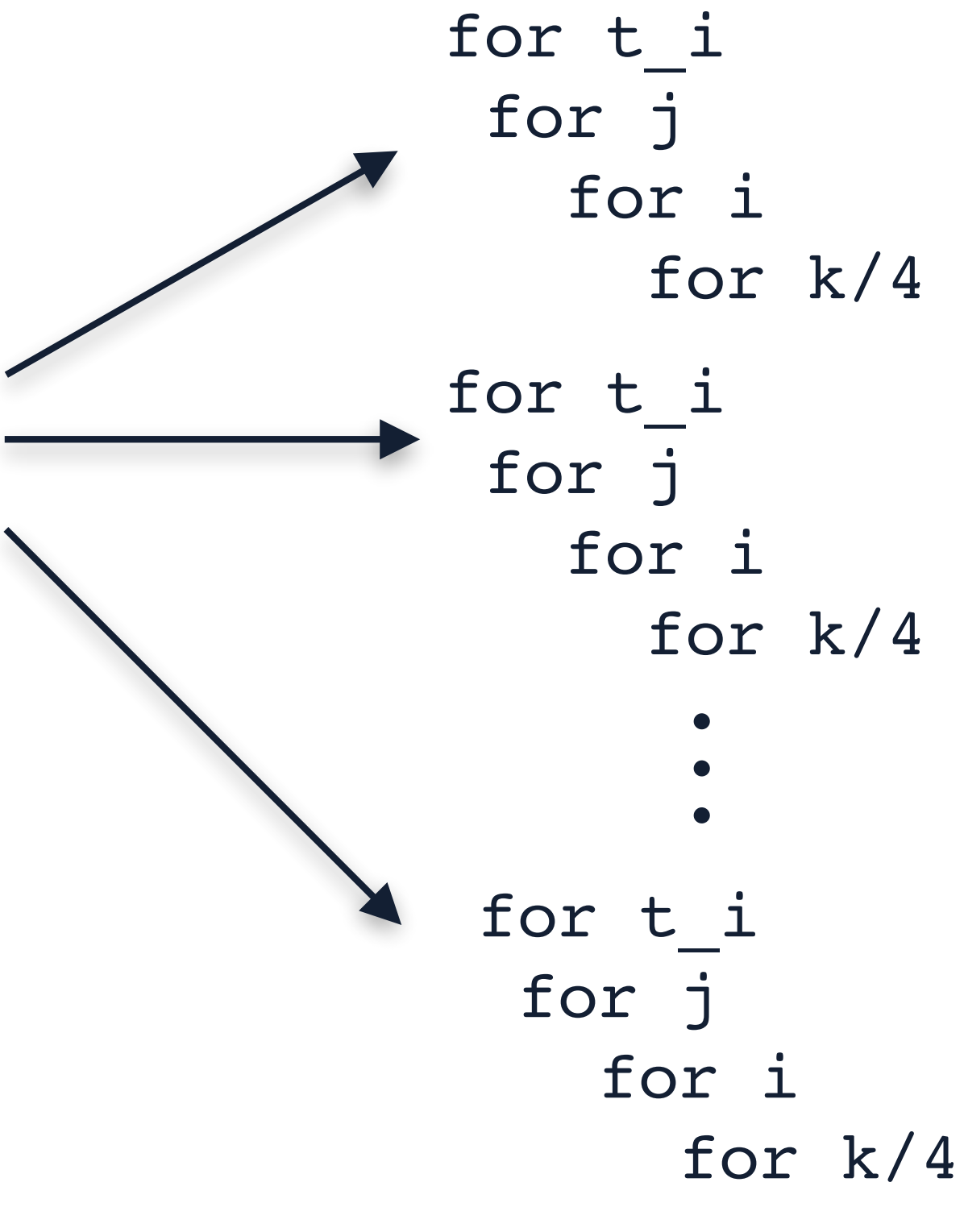
6 variants

Interchange

all permutations

18 variants

Unroll
(2, 4, 8)

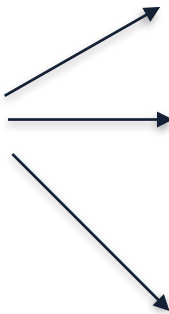

for t_i
for j
for i
for k/4
for t_i
for j
for i
for k/4
for t_i
for j
for i
for k/4

126 variants

Tiling

(2, 4, 8, 16, 32, 64, 128)

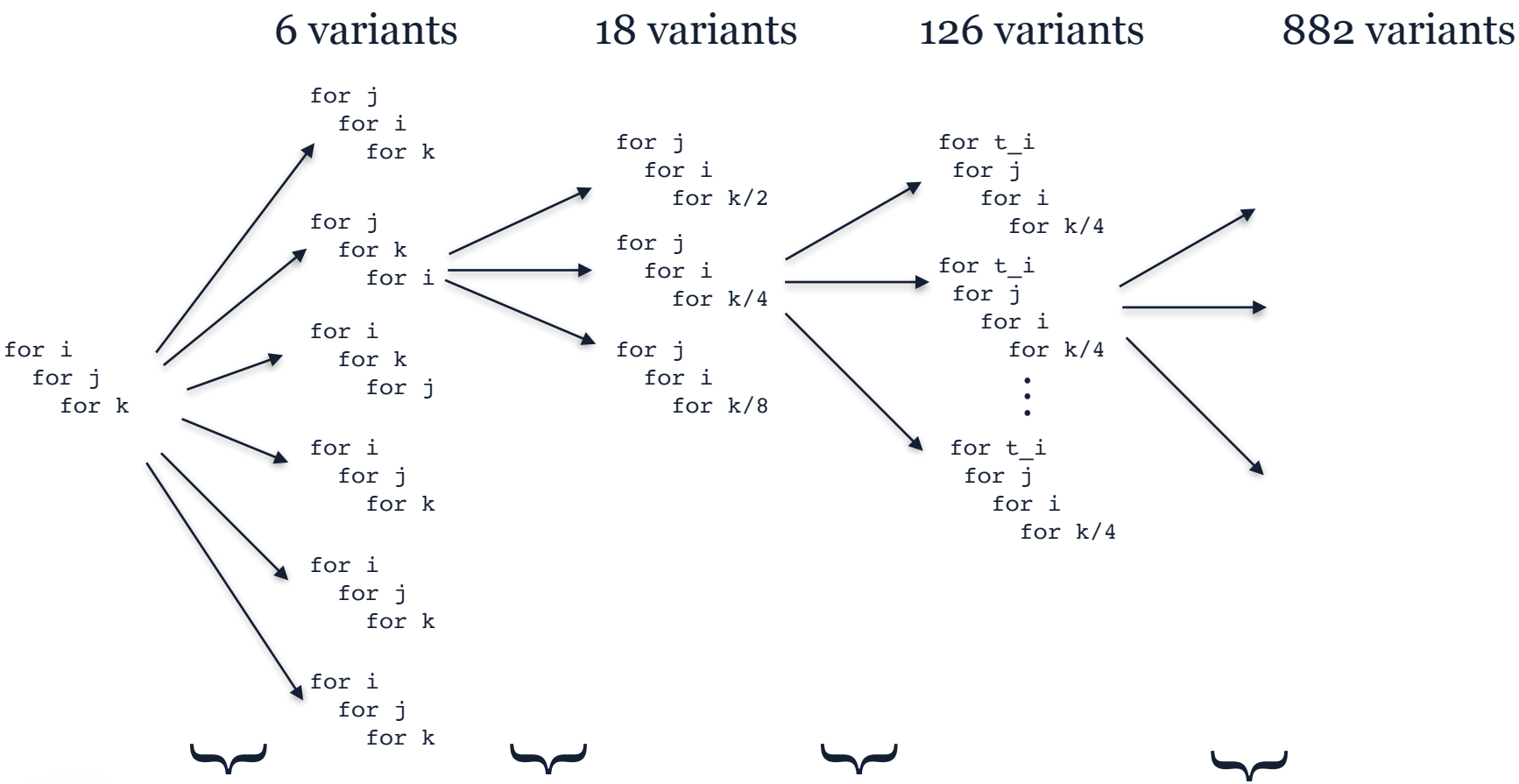
882 variants



Unroll-and-jam
(2, 4, 8, 16, 32, 64, 128)

Optimization Space

- triple nested loop



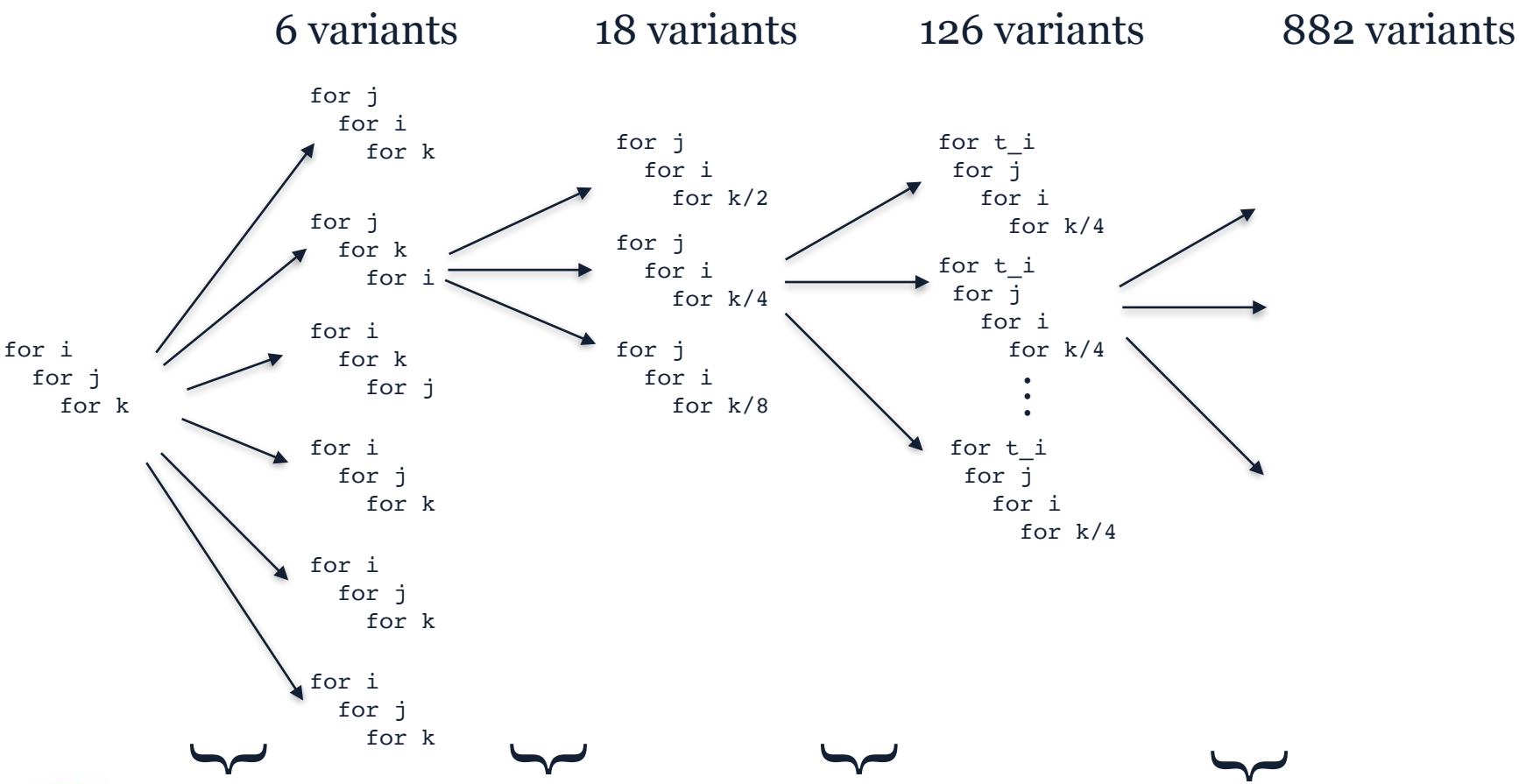
Interchange
all permutations

Unroll
(2, 4, 8)

Tiling
(2, 4, 8, 16, 32, 64, 128)

Unroll-and-jam
(2, 4, 8, 16, 32, 64, 128)

Locus



Interchange
all permutations

Unroll
(2, 4, 8)

Tiling
(2, 4, 8, 16, 32, 64, 128)

Unroll-and-jam
(2, 4, 8, 16, 32, 64, 128)