Yes

No

Discard old knowledge

Enough “relevant”?

No

Final inclusion list

Stop rule satisfied?

Initial candidate list

Featurization

Random sampling

One “relevant” found?

Certainty sampling

Stop rule satisfied?

Final inclusion list

Yes

Yes

No

No

Certainty sampling

Certainty sampling

***REUSE***

Labeled examples

Labeled examples

Initial candidate list

Featurization

Stop rule satisfied?

Final inclusion list

Yes

No

***UPDATE***

Initial candidate list

Featurization

Yes

***FASTREAD***