

Find first element

Initial dichotomy

Find next element

Accelerate
(initial step: s_0)

Dichotomize

Element
exists ?

Yes

No

Add new element to X,
Update estimated
distance parameter s_0

No

$|X| \leq \log_2(n)$?

Yes

Does not
satisfy P

Test current subset X

Satisfies P

Stop,
Return X

