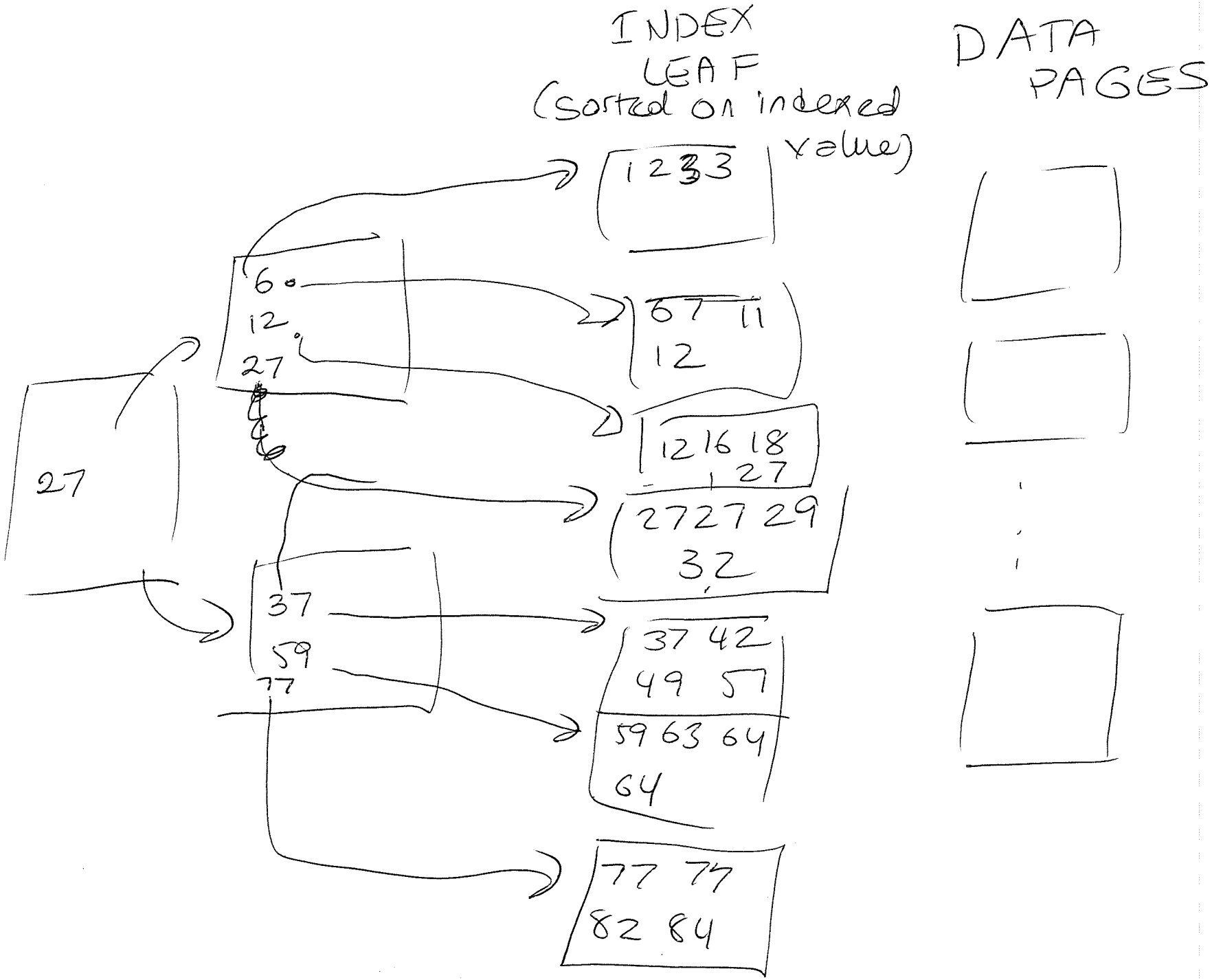
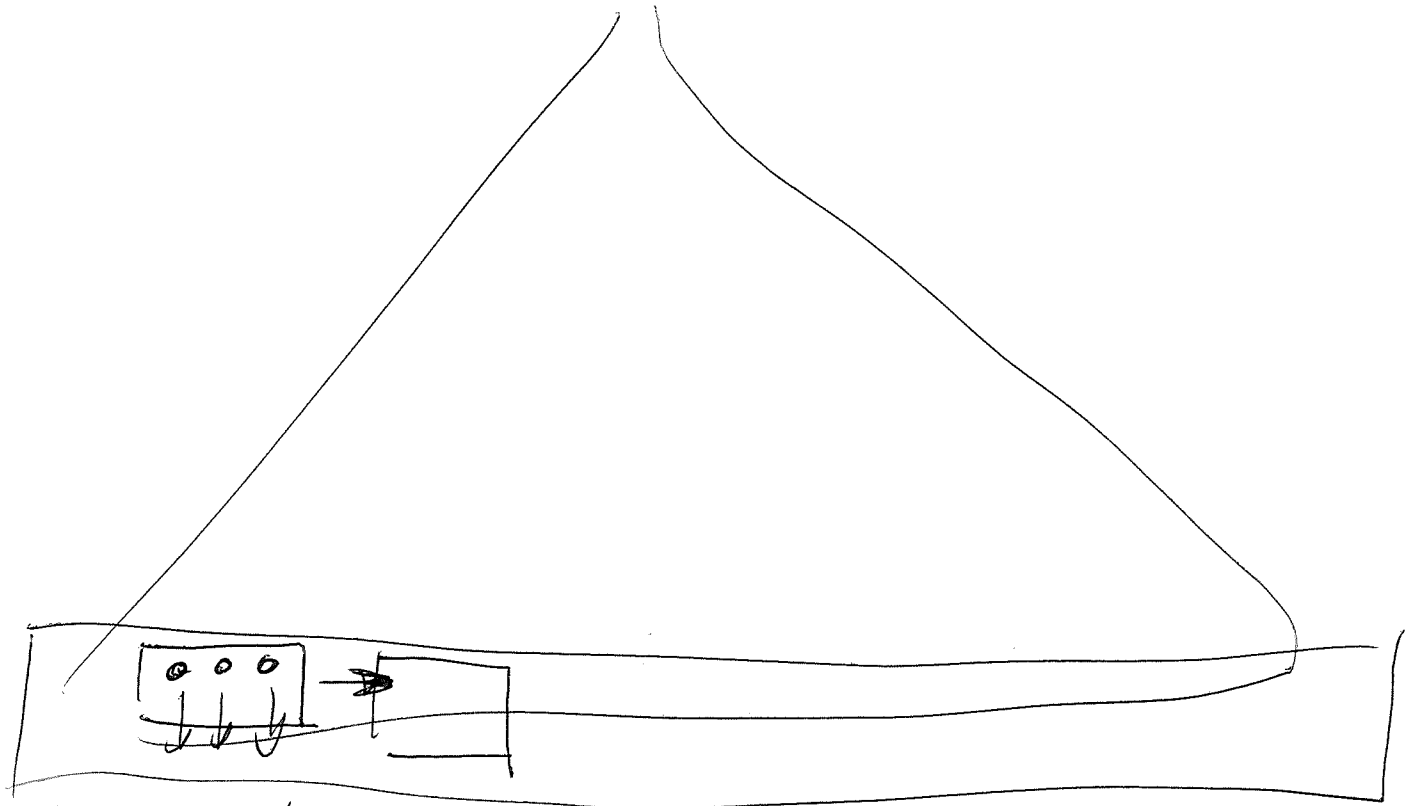

INDEX
LEAF
(sorted on indexed
value)
DATA
PAGES
1233
6
12
27
67 11
12
12 16 18
27
27 27 29
32
27
37
59
77
37 42
49 57
59 63 64
64
77 77
82 84

B_trees



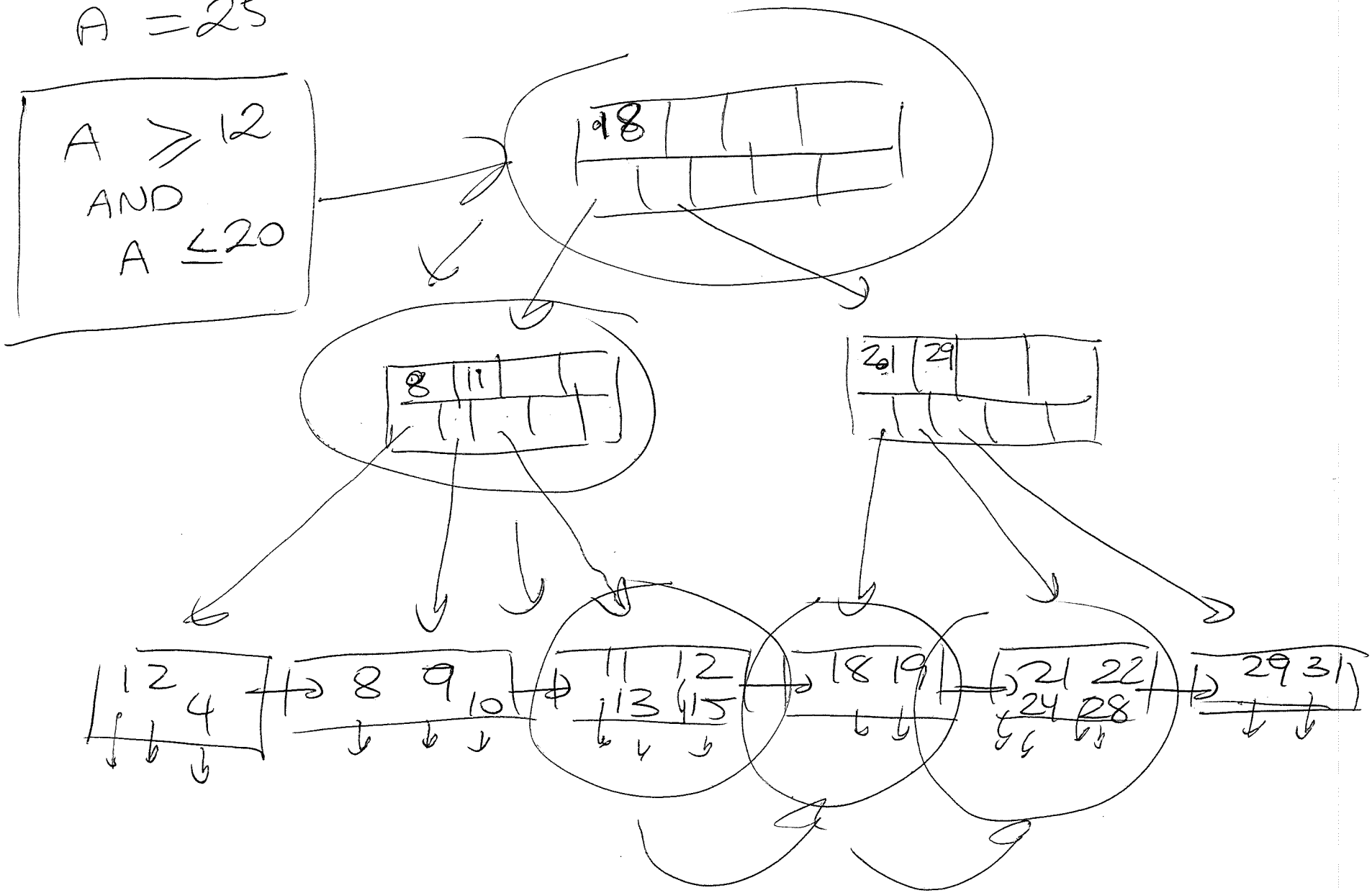
leaf level (sorted by indexed attribute) → one entry for every tuple in the relation
+ a pointer to the page containing the tuple
+ 1 sibling pointer to the next leaf node

QUERY (Index R(A) suppose A is unique n = 4

A = 9

A = 25

A ≥ 12
AND
A ≤ 20



37 29 11 74

Page 1

27 - 32 64 57

Page 2

3, 18, 77, 63

6 12 64 42

3 27 59 84

7 -
16 -
12 -
2 -

$82 — 49

$1 — 27

INDEX PAGE 1

#	Page
6	4
7	6
11	1
12	4

Index Page 2

Index Page 3

Number	Page
27	5
27	7
29	1
32	2

Index
Page 4

Index Page 5

#	Page
59	5
63	3
64	2
64	4

Index

Page 7

Number	Page
74	1
77	3
82	7
84	5