add Method Detail
Board Example

ArrayList<string> ~~letters~~ = new ArrayList<string>
letters.add ("a")

letters.elementData   ~~add~~ letters.size
                                        1

a
null
null
null
null
null
null
null
null
null

letters.elementData

0	a
1	b
2	c
3	d
4	e
5	f
6	g
7	h
8	i
9	j

letters.size
10

letters.add("k") =>

0	a
1	b
2	c
3	d
4	e
5	f
6	g
7	h
8	i
9	j
10	k
11	null
12	null
13	null
14	null
15	null

letters.size
11

$$new\ capacity = (10 \times 3) / 2 + 1$$
$$= 30/2 + 1$$
$$= 15 + 1$$
$$= 16$$