~~info[ar-beg]=~~

main gives First Call ~~(Line 26~~

subsets ({1,2}, 2, 0, info)

Under Subsets if statement not executed so info[0] = 0 → Line 25 of I call

Second Call

Line 26 of I call → subsets ({1,2}, 2, 1, info) → {0}

Again if statement not executed info[1] = 0 → Line 25 of II call

Third call

Line 26 of II call → subsets ({1,2}, 2, 2, info) → {0,0}

Now if statement is executed & it calls print function, which runs the for loop and since both index of info is 0, so no result from for loop. So it prints empty as outcome of 3rd Call

Now Line 26 in ~~Third~~ second call prints empty and it proceeds to line 21 of IInd call where it puts info[ar-beg] = info[1] = 1

Now it proceeds to line 28 of IInd Call

Fourth Call

subsets ({1,2}, 2, 2, info) → {0,1}

again from ar-beg+1 → From parent 2nd call

Goes into if statement & calls print func which goes through for loop & prints ar[1] i.e. 2 because info[1] = 1

So now the fourth call is answered which means Line 28 of 2nd Call is executed. So the 2nd call is completed.

we might think we made ar-beg as 2 in Line 26, but that isn't true it was only local for that line, however whole 2nd call as parent received ar-beg+1

This means that line 26 of ~~comp~~ I^st call got completely executed and printed empty & 2.

Now we go to line 27 of I^st call which makes info[0] = 1
↳ got 0 as value of ar beg from parent class

And in Line 28 fifth call is made
subsets({1,2}, 2, 1, info)
↓ ↳ {1,0}

So if statement of fifth call not satisfied Line 25 is executed making info[1] = 0
& sixth call made in Lin 26 of fifth call
subsets({1,2}, 2, 2, info)
↳ {1,0}

If statement satisfied and print function called & prints ar[0] i.e. 1 as info[0] = 1
line 26 of fifth call answered move to line 27 of fifth call info[1] = 1 & seventh call made at L-27 of 5th call

subsets({1,2}, 2, 2, info)
↳ {1,1}

If ✓ → print func → prints ar[0], ar[1] i.e. 1, 2

& line 28 of fifth call answered hence fifth call over & ∴ line 28 of I^st call over & hence all calls have been answered & recursion ~~but~~