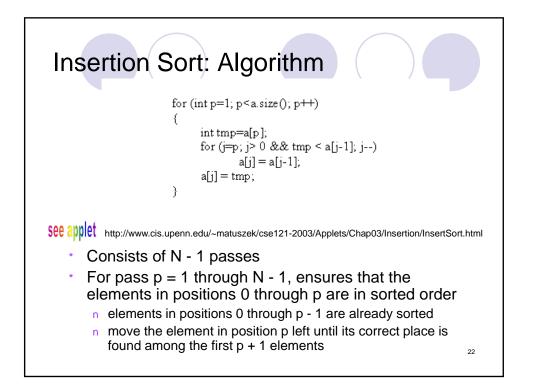


Original	34	8	64	51	32	21	Positions Move
After $p = 1$	8	34	64	51	32	21	1
After $p = 2$	8	34	64	51	32	21	0
After $p = 3$	8	.34			32	21	1
After $p = 4$	8			51			3
After $p = 5$	8	21	32	34	51	64	4



xample 2	
o sort the followin	ng numbers in increasing order:
34 8 64 51 32	2 21
p = 1; tmp = 8;	
34 > tmp, so seco	ond element a[1] is set to 34: {8, 34}
-	ond element a[1] is set to 34: {8, 34} d the front of the list. Thus, 1st position a[0] = tmp=8
We have reached	

P = 2; tmp = 64; 34 < 64, so stop at 3 <sup>rd</sup> position and set 3 <sup>rd</sup> position = 64	
After 2nd pass: 8 34 64 51 32 21	
(first 3 elements are sorted)	
P = 3; tmp = 51;	
51 < 64, so we have 8 34 64 64 32 21,	
$34 < 51$ , so stop at 2nd position, set $3^{rd}$ position = tmp,	
After 3rd pass: 8 34 51 64 32 21	
(first 4 elements are sorted)	
P = 4; tmp = 32,	
32 < 64, so 8 34 51 64 64 21,	
32 < 51, so 8 34 51 51 64 21,	
next 32 < 34, so 8 34 34, 51 64 21,	
next $32 > 8$ , so stop at 1st position and set $2^{nd}$ position = $32$ ,	
After 4th pass: 8 32 34 51 64 21	
P = 5; tmp = 21,	24
After 5th pass: 8 21 32 34 51 64	24

