

	classe											
num		elenco										
4	matricola	cognomo	nome	sesso	da	ataNasci	ta					
	Шанкова	cognome	Home		giorno	mese	anno					
0	7	Rossi	Marco	M	5	10	95					
1	48	Neri	Anna	F	4	7	95					
2	63	Verdi	Remo	M	5	8	96					
3	84	Gialli	Carla	F	5	11	95					
4												

"Magazzino"
-------------

num

#### classe

-			elend	o						
	matricola	matricola cognome nome sesso dataNascit								
	matricola	Cognome	Home	36330	giorno	mese	anno			
0	7	Rossi	Marco	M	5	10	95			
1	48	Neri	Anna	F	4	7	95			
2	63	Verdi	Remo	M	5	8	96			
3	84	Gialli	Carla	F	5	11	95			
4										

	classe												
num			elen	CO									
4	matricola	aagnama	nomo	50550	da	ataNasci	ta						
	matricoia	cognome	nome	sesso	giorno	mese	anno						
0	7	Rossi	Marco	M	5	10	95						
1	12	Violi	Aldo	M	10	5	96						
2	48	Neri	Anna	F	4	7	95						
3	63	Verdi	Remo	M	5	8	96						
4	84	Gialli	Carla	F	5	11	95						

	classe											
num			elen	CO								
4	matricola	coanomo	nomo	60660	da	ataNasci	ta					
	matricola	cognome	nome	sesso	giorno	mese	anno					
0	7	Rossi	Marco	M	5	10	95					
1	12	Violi	Aldo	M	10	5	96					
2	48	Neri	Anna	F	4	7	95					
3	63	Verdi	Remo	M	5	8	96					
4	84	Gialli	Carla	F	5	11	95					



#### Tabella statica classe num elenco dataNascita matricola cognome sesso nome giorno mese anno Rossi M 10 95 0 Marco 48 Neri Anna F 95 4 Verdi 63 Remo M 5 8 96 F 11 84 Gialli Carla 5 95 4

```
const int DIM = 8;
struct InsStudenti
   int num;
    Studente elenco[DIM];
  };
```

7	Rossi	Marco	M	5	10	95	
48	Neri	Anna	F	4	7	95	
63	Verdi	Remo	M	5	8	96	
84	Gialli	Carla	F	5	11	95	

7	Rossi	Marco	M	5	10	95	
48	Neri	Anna	F	4	7	95	
63	Verdi	Remo	M	5	8	96	
84	Gialli	Carla	F	5	11	95	
12	Violi	Aldo	M	10	5	96	

				1	•
P	ш	ni	ta	1	rı
	u		LU	C.	

7	Rossi	Marco	M	5	10	95	
48	Neri	Anna	F	4	7	95	
63	Verdi	Remo	M	5	8	96	
84	Gialli	Carla	F	5	11	95	

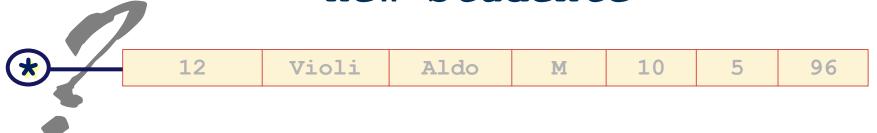
7	Rossi	Marco	M	5	10	95	
48	Neri	Anna	F	4	7	95	
63	Verdi	Remo	M	5	8	96	
84	Gialli	Carla	F	5	11	95	
12	Violi	Aldo	M	10	5	96	

new Tipo



Puntatore all'oggetto







*	12	Violi	Aldo	M	10	5	96	
---	----	-------	------	---	----	---	----	--

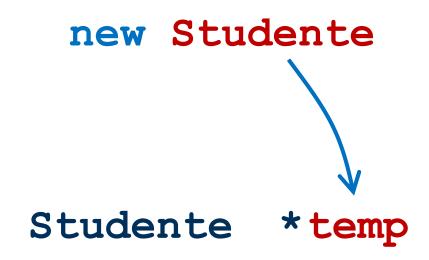




12	Violi	Aldo	M	10	5	96

Studente \*temp

## Assegnazione

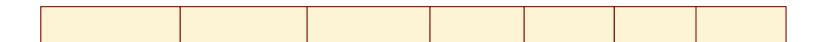


12	Violi	Aldo	M	10	5	96

Studente \*temp

## Assegnazione

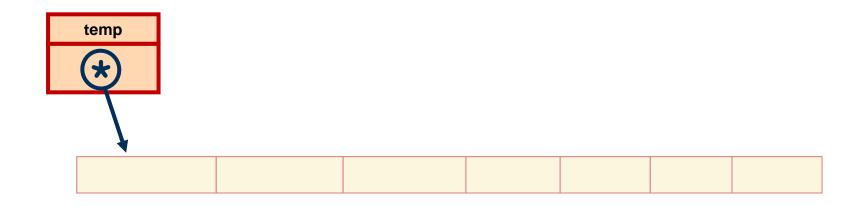
temp



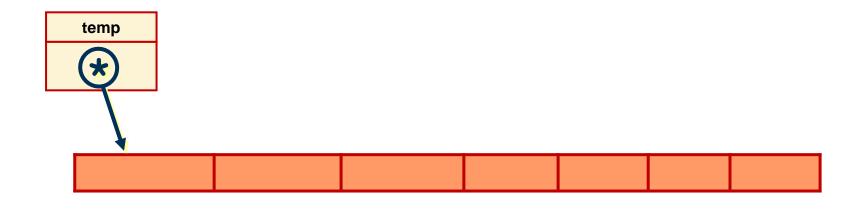


#### Dereferenziazione



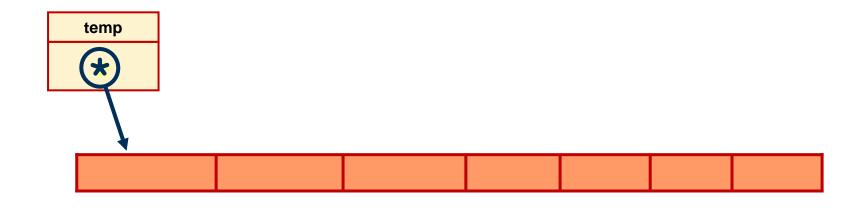


# temp



\*temp

	classe											
num		elenco										
4	matricola	dataNascita										
	matricola	cognome	nome	sesso	giorno	mese	anno					
0	7	Rossi	Marco	M	5	10	95					
1	48	Neri	Anna	F	4	7	95					
2	63	Verdi	Remo	M	5	8	96					
3	84	Gialli	Carla	F	5	11	95					
4												

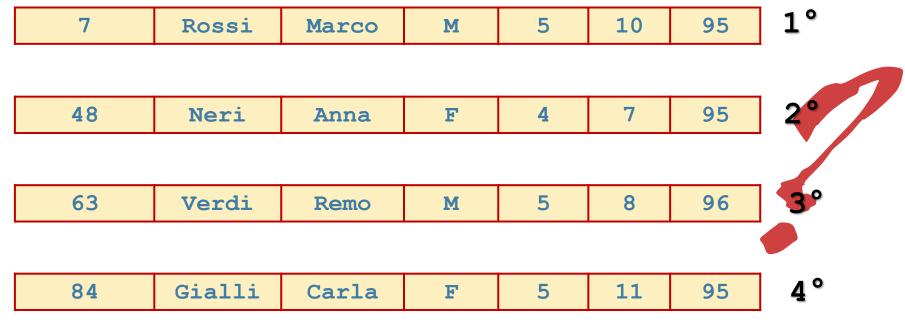


#### inserisciSeNonEsiste

7	Rossi	Marco	M	5	10	95	
48	Neri	Anna	F	4	7	95	
63	Verdi	Remo	M	5	8	96	
84	Gialli	Carla	F	5	11	95	
12	Violi	Aldo	M	10	5	96	

	classe											
num	elenco											
4	matricola cognome nome sesso dataNascita											
	matricola	cognome	nome	sesso	giorno	mese	anno					
0	7	Rossi	Marco	M	5	10	95					
1	48	Neri	Anna	F	4	7	95					
2	63	Verdi	Remo	M	5	8	96					
3	84	Gialli	Carla	F	5	11	95					
4												

7	Rossi	Marco	M	5	10	95
48	Neri	Anna	F	4	7	95
63	Verdi	Remo	M	5	8	96

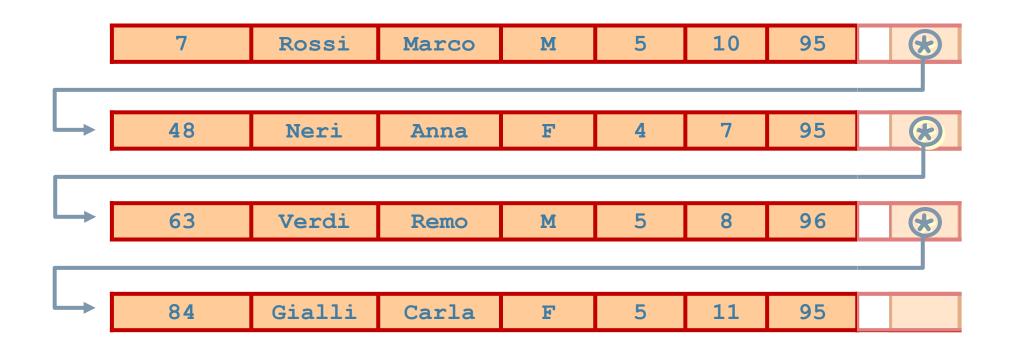


7	Rossi	Marco	M	5	10	95
48	Neri	Anna	F	4	7	95
63	Verdi	Remo	M	5	8	96
84	Gialli	Carla	F	5	11	95

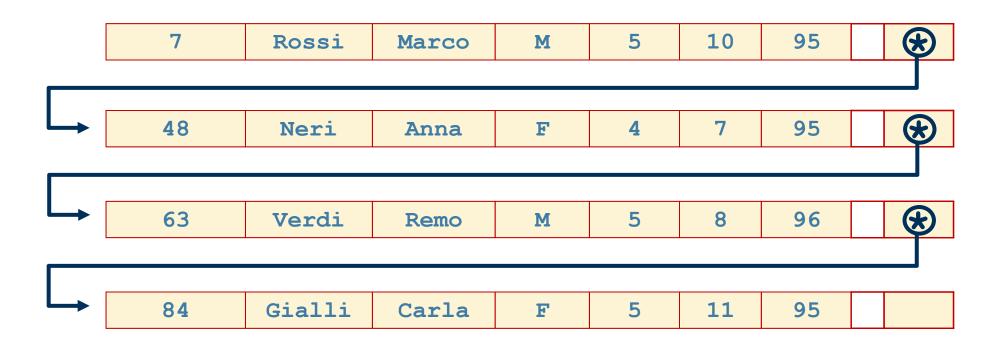


7	Rossi	Marco	M	5	10	95	
48	Neri	Anna	F	4	7	95	
63	Verdi	Remo	M	5	8	96	
84	Gialli	Carla	F	5	11	95	

	7	Rossi	Marco	M	5	10	95	<b>★</b>
	48	Neri	Anna	F	4	7	95	<b>★</b>
	63	Verdi	Remo	M	5	8	96	€
,								
	84	Gialli	Carla	F	5	11	95	

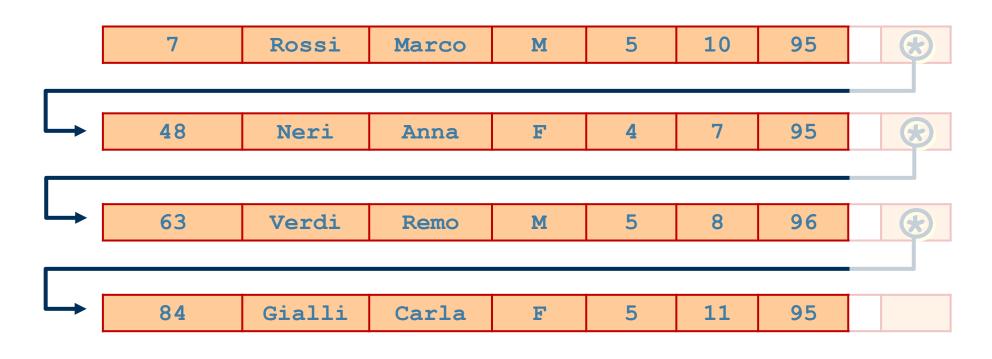


Lista

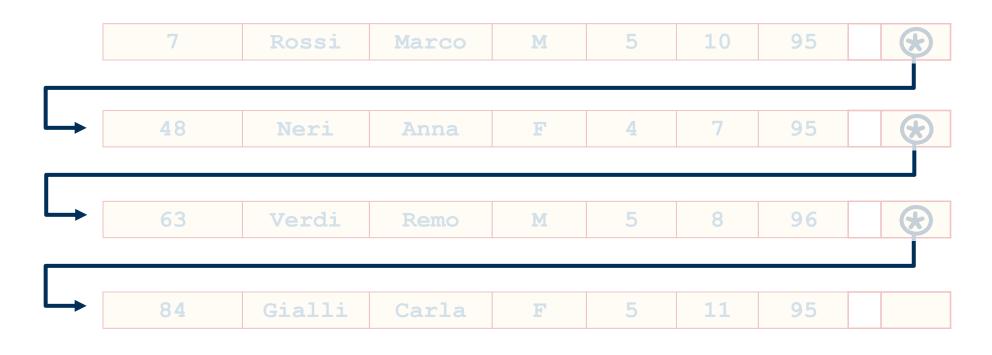


#### struct Nodo

```
{ Studente datiStud;
 Nodo *nextPtr;
```



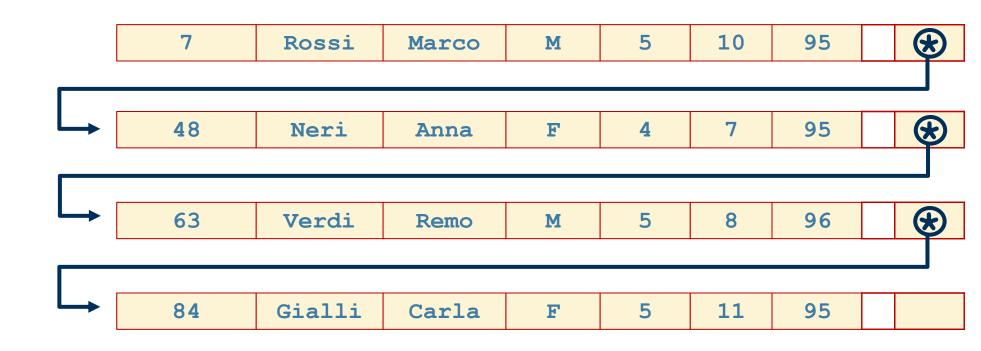
```
struct Nodo
   Studente datiStud;
   Nodo *nextPtr;
```



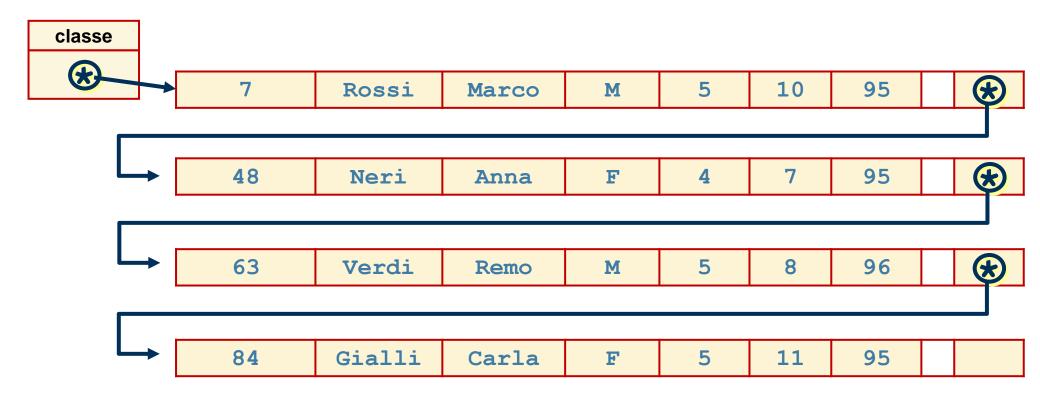
```
struct Nodo
   Studente datiStud;
   Nodo *nextPtr;
```

	classe												
num	П		elenco										
4	┛┆	matricola	cognomo	e nome sesso	2222	da	ataNasci	ta					
		Illatricola	cognome		36220	giorno	mese	anno					
	0	7	Rossi	Marco	M	5	10	95					
	1	48	Neri	Anna	F	4	7	95					
	2	63	Verdi	Remo	M	5	8	96					
	3	84	Gialli	Carla	F	5	11	95					
	4												

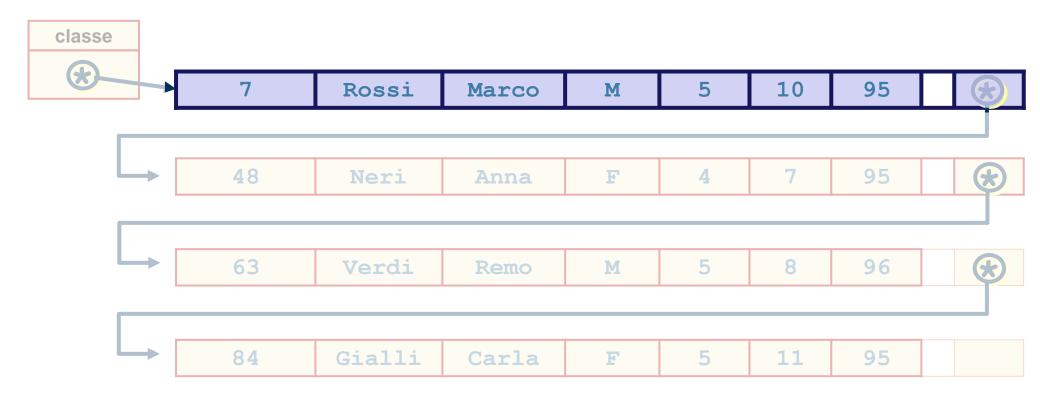
# InsStudenti classe;



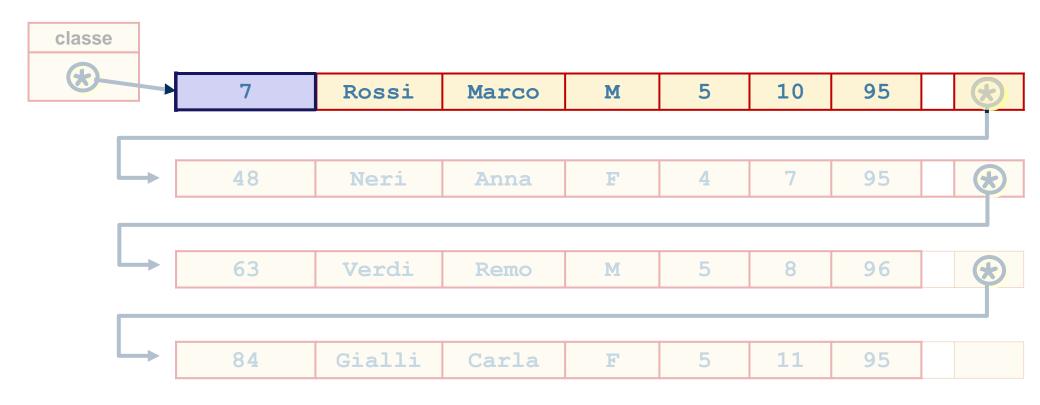
InsStudenti classe;



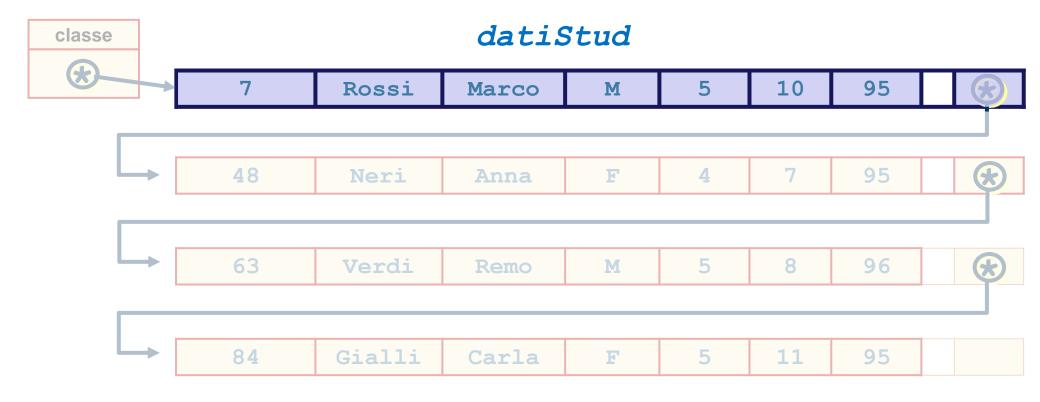
Nodo \*classe;



## \*classe



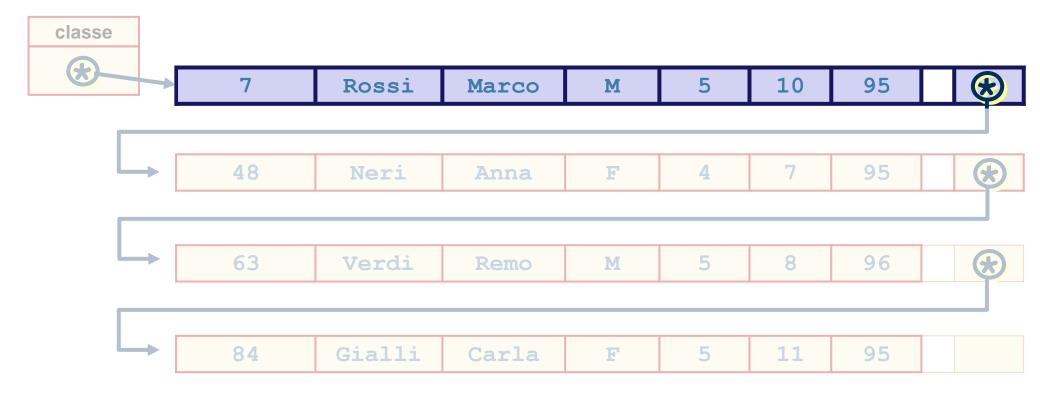


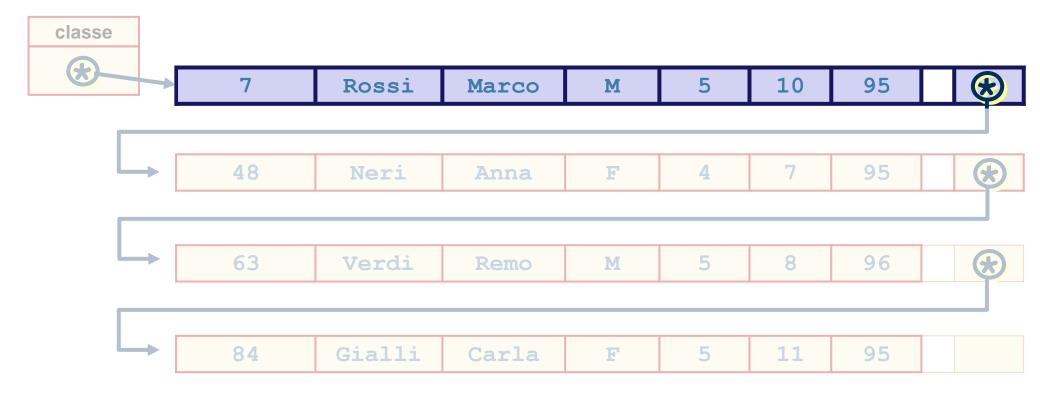


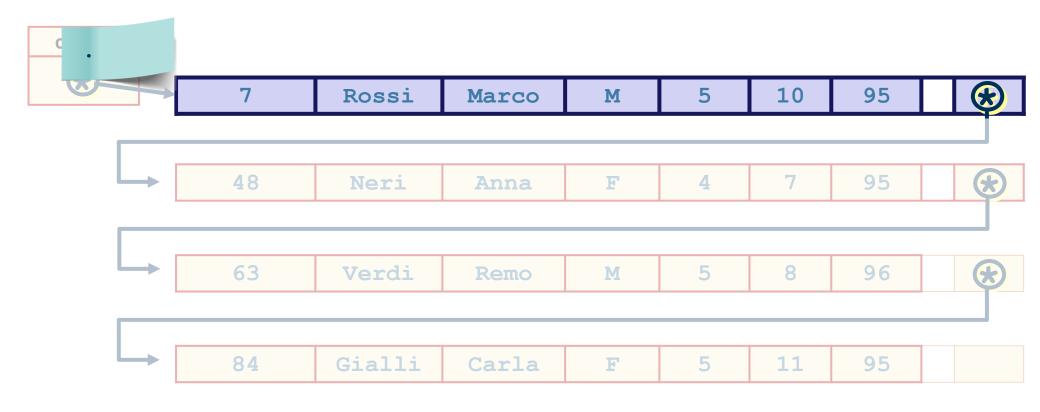


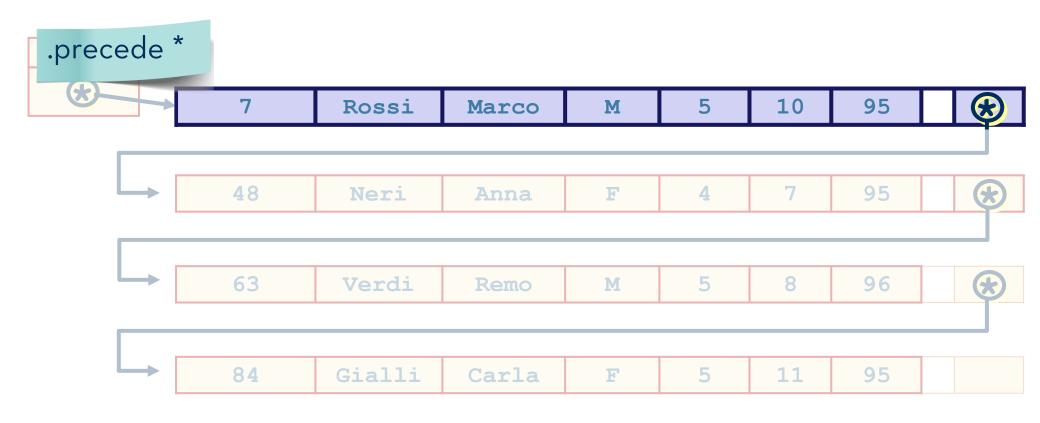
classe							nex	<i>xtPtr</i>
*	7	Rossi	Marco	M	5	10	95	(3)
	48	Neri	Anna	F	4	7	95	*
	63	Verdi	Remo	М	5	8	96	*
	84	Gialli	Carla	F	5	11	95	





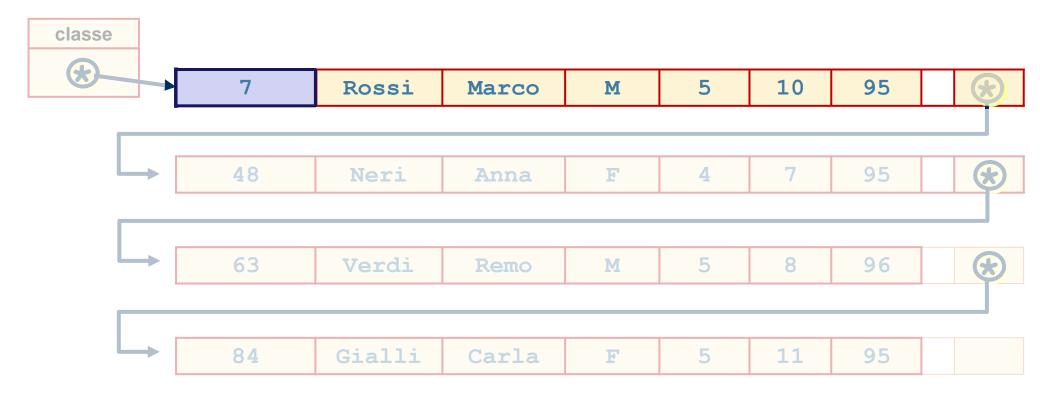


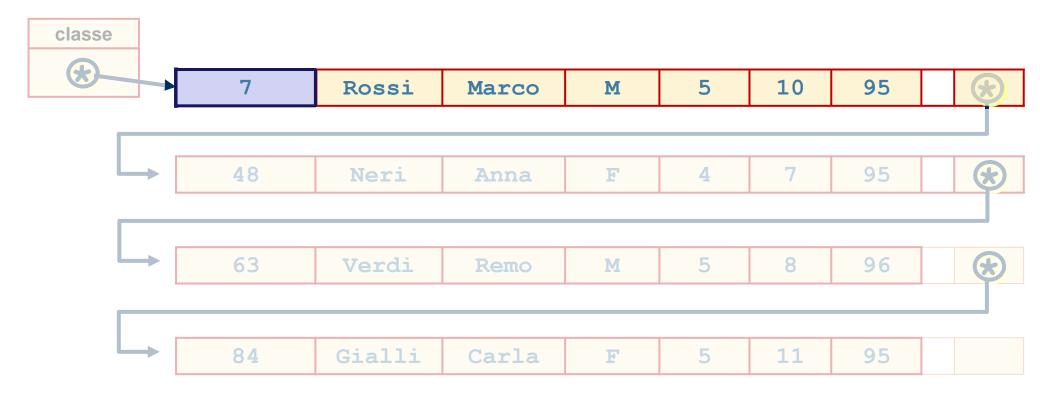




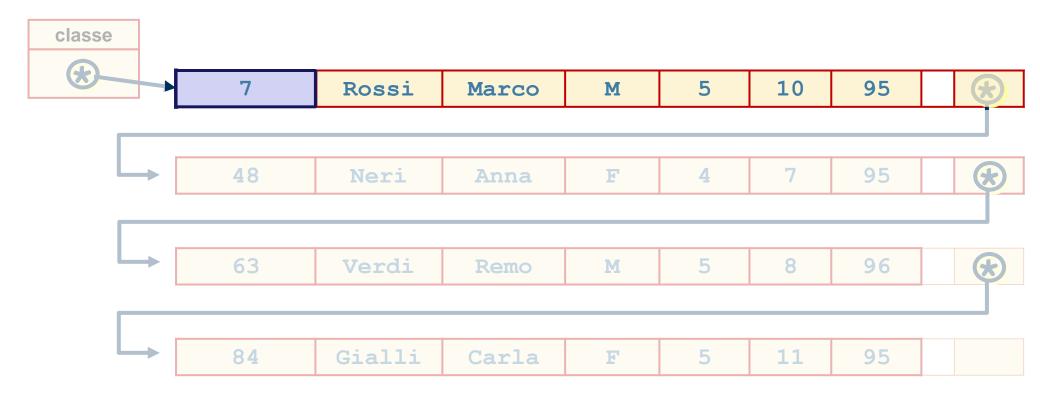
classe								
(#)	7	Rossi	Marco	M	5	10	95	*
	48	Neri	Anna	F	4	7	95	*
	63	Verdi	Remo	M	5	8	96	*
	84	Gialli	Carla	F	5	11	95	
	0 3	CTATTI	Carra	L		<b>-</b>	75	



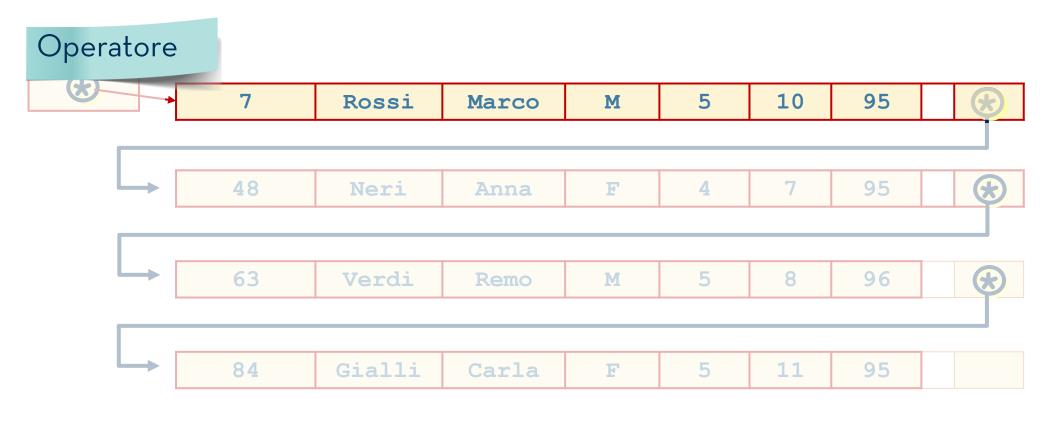




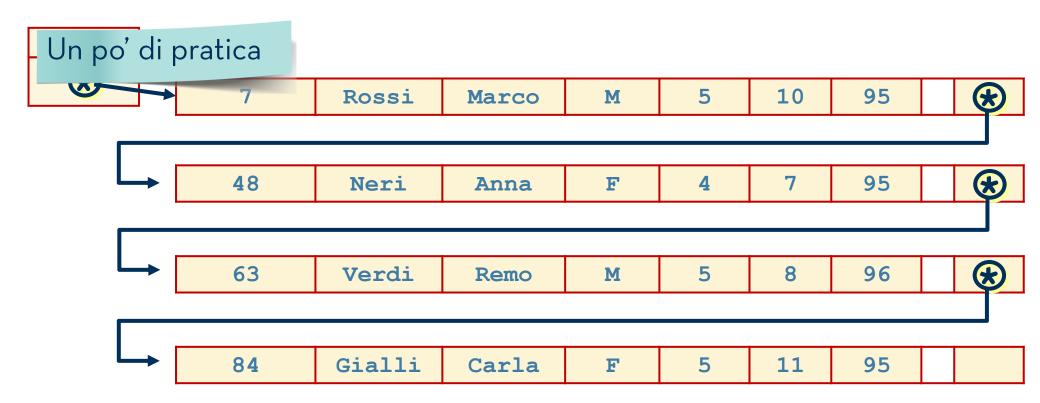
(\*classe).datiStud .matricola



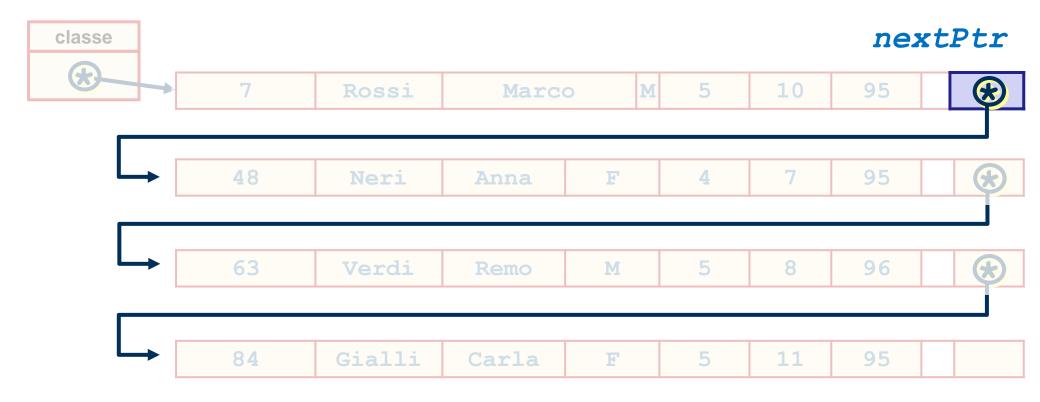
(\*classe).datiStud .matricola



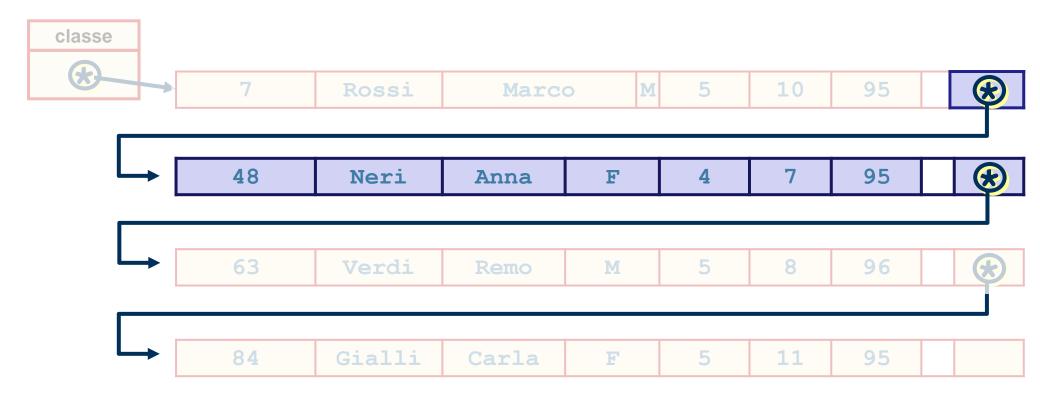
classe -> datiStud .matricola



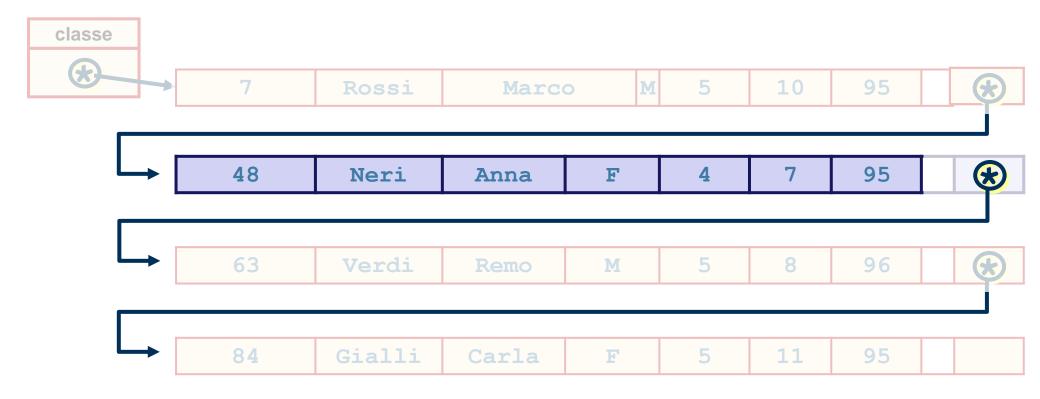




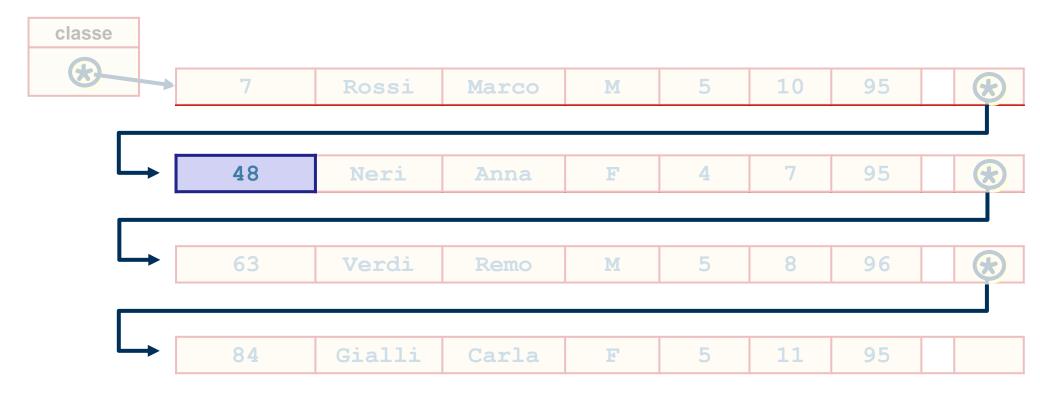
## classe -> nextPtr



### classe -> nextPtr

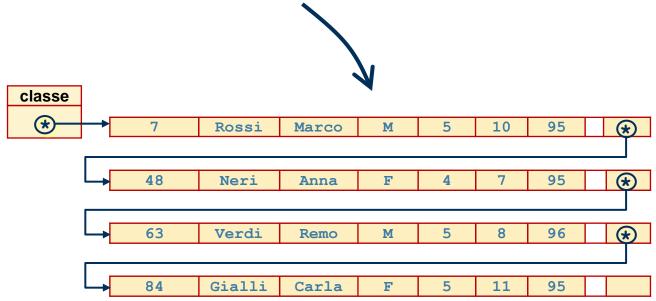


### classe -> nextPtr -> datiStud



classe -> nextPtr -> datiStud.matricola

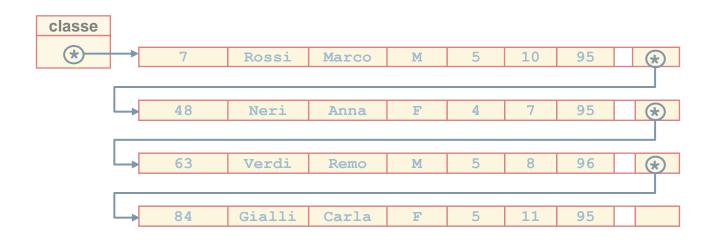
classe												
num		elenco										
4	matricola	cognomo	nome		da	ataNasci	ta					
	matricola	cognome		sesso	giorno	mese	anno					
0	7	Rossi	Marco	M	5	10	95					
1	48	Neri	Anna	F	4	7	95					
2	63	Verdi	Remo	M	5	8	96					
3	84	Gialli	Carla	F	5	11	95					
4												



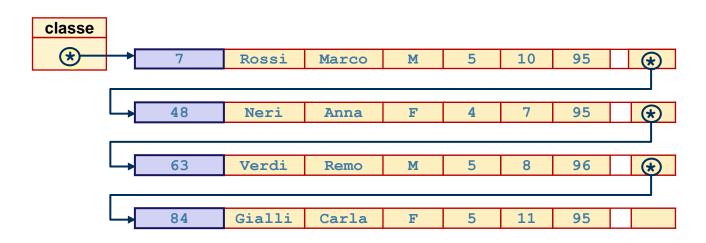
	classe											
num	elenco											
4	matricola	ataNasci	ta									
	matricola	cognome	nome	sesso	giorno	mese	anno					
0	7	Rossi	Marco	M	5	10	95					
1	48	Neri	Anna	F	4	7	95					
2	63	Verdi	Remo	M	5	8	96					
3	84	Gialli	Carla	F	5	11	95					
4												

Un array "magazzino"

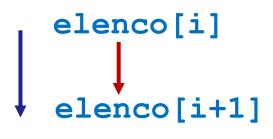
elenco[DIM]

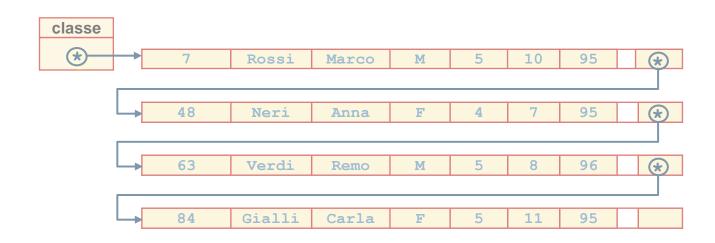


	classe											
num	П	elenco										
4		matricola	cognomo	nome	sesso	da	ataNasci	ta				
		matricola	cognome			giorno	mese	anno				
	0	7	Rossi	Marco	M	5	10	95				
	1	48	Neri	Anna	F	4	7	95				
	2	63	Verdi	Remo	M	5	8	96				
	3	84	Gialli	Carla	F	5	11	95				
	4											



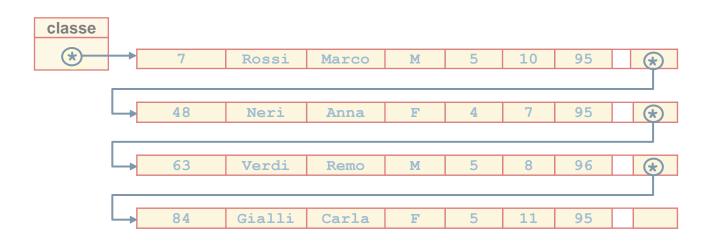
classe													
num	П		elenco										
4		matricola	cognomo	nomo	00000	dataNascita							
		matricola	cognome	nome	sesso	giorno	mese	anno					
(	2	7	Rossi	Marco	M	5	10	95					
ز	1	48	Neri	Anna	F	4	7	95					
2	2	63	Verdi	Remo	M	5	8	96					
3	3	84	Gialli	Carla	F	5	11	95					
4	4												



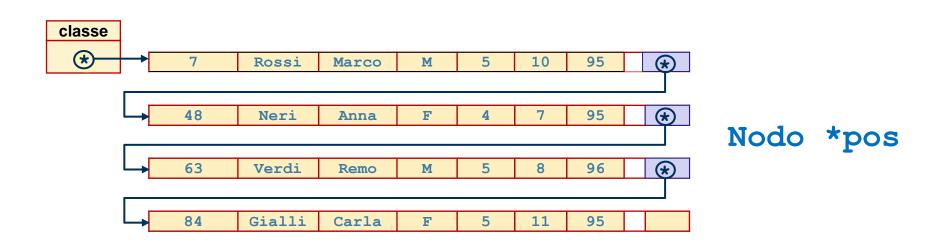


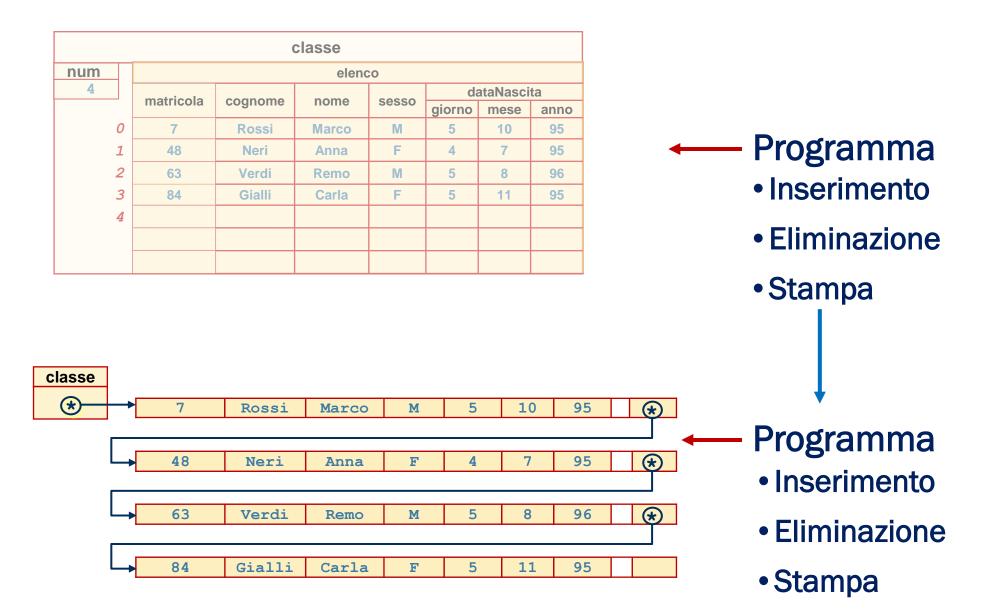
	classe											
num		elenco										
4	matricola	coanomo	nome sesso		da	ataNasci	ta					
	matricola	cognome		56220	giorno	mese	anno					
0	7	Rossi	Marco	M	5	10	95					
1	48	Neri	Anna	F	4	7	95					
2	63	Verdi	Remo	M	5	8	96					
3	84	Gialli	Carla	F	5	11	95					
4												

pos



	classe											
num		elenco										
4		matricola	cognomo	nome		da	ataNasci	ta				
		matricola	cognome	Home Sess	sesso	giorno	mese	anno				
C	ו	7	Rossi	Marco	M	5	10	95				
1	L	48	Neri	Anna	F	4	7	95				
2	2	63	Verdi	Remo	M	5	8	96				
3	3	84	Gialli	Carla	F	5	11	95				
4	1											





	classe											
num		elenco										
4	matricola	cognomo	nomo		da	ataNasci	ta					
	matricola	cognome	nome sesso	sesso	giorno	mese	anno					
0	7	Rossi	Marco	M	5	10	95					
1	48	Neri	Anna	F	4	7	95					
2	63	Verdi	Remo	M	5	8	96					
3	84	Gialli	Carla	F	5	11	95					
4	!											

# Tabella non sequenziale

Programma

