degree mark SOLUTION: STRATEGY PATTERN APPROACH	
Rules :	
Appello_Laurea Num_punti	
set-24 3pt.	
dic-24 2pt.	
feb-25 1pt.	
Condizione_Punti_extra_tesi	
max 3 pt base inferiore o uguale a 90 3pt.	
3:4 pt base tra 90,001 e 93,999 4pt.	
4:6 pt superiore 93,999 6pt.	
====== test section for avg computation =========	
The actual Gabriele's avg is: 23.7375	
The actual Gabriele's avg ROUNDED is: 23.74	
The current starting pass mark for Degree is -> 87.04	
Thesis is NOT INCLUDED IN THIS EVALUATION	
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Passed exams :	
['matematica_generale', 'linguaggi', 'matematica_finanziaria', 'macroeconomia', 'microeconomia', 'marketing_strategico', 'economia_gestione_imprese', 'marketing_operativo', 'tecnica_ban	ıcaria'
Assumptions:	
['diritto_del_lavoro', 'organizzazione_aziendale', 'statistica', 'economia_aziendale', 'ragioneria', 'diritto_commerciale', 'finanza_aziendale', 'diritto_privato', 'programmazione_controllo']	
[25, 26, 24, 25, 26, 25, 27, 22, 27]	
Check -> tot credits: 158	
Exam -> matematica_generale	
- mark -> 21	
- credit -> 12	
total_marks[k] -> 21	
total_credits[k] -> 12	
Exam -> linguaggi	
- mark -> 30	
-mark > 50	
- credit -> 8	
total_marks[k] -> 30	
total_credits[k] -> 8	
total_credits[n] -> o	

Exam -> matematica_finanziaria
- mark -> 18
- credit -> 6
total_marks[k] -> 18
total_credits[k] -> 6
Exam -> macroeconomia
- mark -> 23
- credit -> 9
total_marks[k] -> 23
total_credits[k] -> 9
Exam -> microeconomia
- mark -> 20
- credit -> 12
total_marks[k] -> 20
total_credits[k] -> 12
Evam -> marketing strategics

- mark -> 26

- credit -> 9
total_marks[k] -> 26
total_credits[k] -> 9
Exam -> economia_gestione_imprese
- mark -> 28
- credit -> 9
total_marks[k] -> 28
total_credits[k] -> 9
Exam -> marketing_operativo
- mark -> 22
- credit -> 6
total_marks[k] -> 22
total_credits[k] -> 6
Exam -> tecnica_bancaria
- mark -> 26
- credit -> 9
total_marks[k] -> 26

NOT PASSED EXAMS
Exam -> diritto_del_lavoro
- supposed mark -> 25
- credit -> 6
Recalibrated mark -> 28 with increase 3
Exam -> organizzazione_aziendale
- supposed mark -> 26
- credit -> 6
Recalibrated mark -> 29 with increase 3
Exam -> statistica
- supposed mark -> 24

total_credits[k] -> 9

- credit -> 12

Recalibrated mark -> 27 with increase 3
Exam -> economia_aziendale
supposed mark -> 25
credit -> 12
Recalibrated mark -> 28 with increase 3
Exam -> ragioneria
supposed mark -> 26
credit -> 9
Recalibrated mark -> 29 with increase 3
Exam -> diritto_commerciale
Zani > dinto_commerciae
supposed mark -> 25
credit -> 9
Recalibrated mark -> 28 with increase 3

Exam -> finanza_aziendale

- credit -> 6
Recalibrated mark -> 30 with increase 3
Exam -> diritto_privato
- supposed mark -> 22
- credit -> 9
Recalibrated mark -> 25 with increase 3
Exam -> programmazione_controllo
- supposed mark -> 27
- credit -> 9
Recalibrated mark -> 30 with increase 3
Tot numerator 1 -> 1899
Tot numerator 2 considering 3 of uncertainty -> 2190
Check -> sum between Num1 and Num2 Finished 4089

- supposed mark -> 27

Check -> total avg considering 3 of uncertainty -> 25.88

Exam -> diritto_del_lavoro
- supposed mark -> 25
- credit -> 6
Recalibrated mark -> 28 with increase 3
Todaistated Halit > 20 Milhinotedec 0
Exam -> organizzazione_aziendale
- supposed mark -> 26
- credit -> 6
Recalibrated mark -> 29 with increase 3
Exam -> statistica
- supposed mark -> 24
- credit -> 12
Recalibrated mark -> 27 with increase 3
Exam -> economia_aziendale
Enam r Socionia_DEIGNANO
- supposed mark -> 25
- credit -> 12

Check -> total mark of degree 94.89 pushed

Recalibrated mark -> 28 with increase 3
Exam -> ragioneria
supposed mark -> 26
credit -> 9
Recalibrated mark -> 29 with increase 3
Exam -> diritto_commerciale
supposed mark -> 25
credit -> 9
Recalibrated mark -> 28 with increase 3
Accombinated mank > 20 with increase _ 5 _
Exam -> finanza_aziendale
supposed mark -> 27
credit -> 6
Recalibrated mark -> 30 with increase 3

Exam -> diritto_privato

- supposed mark -> 22
- credit -> 9
Recalibrated mark -> 25 with increase 3
Exam -> programmazione_controllo
- supposed mark -> 27
- credit -> 9
Recalibrated mark -> 30 with increase 3
Total managed and a 1900
Tot numerator 1 -> 1899
Tot numerator 2 considering 3 of uncertainty -> 2190
Check -> sum between Num1 and Num2 Finished 4089
Check -> total avg considering 3 of uncertainty -> 25.88
Check -> total mark of degree 94.89 pushed
Exam -> diritto_del_lavoro
- supposed mark -> 25
- credit -> 6

Recalibrated mark -> 22 with increase3	
	==
Exam -> organizzazione_aziendale	
- supposed mark -> 26	
credit -> 6	
Recalibrated mark -> 23 with increase3	
	==
Exam -> statistica	
- supposed mark -> 24	
- credit -> 12	
Recalibrated mark -> 21 with increase3	
	==
Exam -> economia_aziendale	
- supposed mark -> 25	
- credit -> 12	
cieut-> 12	
Recalibrated mark -> 22 with increase3	
	:==
Exam -> ragioneria	
- supposed mark -> 26	
- credit -> 9	

Recalibrated mark -> 23 with increase3
Exam -> diritto_commerciale
supposed mark -> 25
credit -> 9
Recalibrated mark -> 22 with increase3
Exam -> finanza_aziendale
supposed mark -> 27
credit -> 6
Recalibrated mark -> 24 with increase3
Exam -> diritto_privato
supposed mark -> 22
credit -> 9
Recalibrated mark -> 19 with increase3

Exam -> programmazione_controllo

- credit -> 9
Recalibrated mark -> 24 with increase3
Tot numerator 1 -> 1899
Tot numerator 2 considering -3 of uncertainty -> 1722
Check -> sum between Num1 and Num2 Finished 3621
Check -> total avg considering -3 of uncertainty -> 22.92
Check -> total mark of degree 84.04 pushed
Exam -> diritto_del_lavoro
- supposed mark -> 25
- credit -> 6
Recalibrated mark -> 22 with increase3
Exam -> organizzazione_aziendale
- supposed mark -> 26
- supposed mark -> 26 - credit -> 6

- supposed mark -> 27

Recalibrated mark -> 23 with increase3
Towns at at a fact.
Exam -> statistica
supposed mark -> 24
avadit . 40
credit -> 12
Recalibrated mark -> 21 with increase3
Exam -> economia_aziendale
supposed mark -> 25
credit -> 12
ordan -> 12
Recalibrated mark -> 22 with increase3
Exam -> ragioneria
supposed mark -> 26
credit -> 9
Recalibrated mark -> 23 with increase3
Totalistated many 25 man more accomplete
Exam -> diritto_commerciale
supposed mark v. 25
supposed mark -> 25

- credit -> 9

Recalibrated mark -> 22 with increase3
Exam -> finanza_aziendale
supposed mark -> 27
credit -> 6
Recalibrated mark -> 24 with increase3
Exam -> diritto_privato
supposed mark -> 22
credit -> 9
Recalibrated mark -> 19 with increase3
Exam -> programmazione_controllo
supposed mark -> 27
credit -> 9

Recalibrated mark -> 24 with increase ___ -3 ___

- credit -> 12

Recalibrated mark -> 22 with increase2
Exam -> economia_aziendale
- supposed mark -> 25
- credit -> 12
Recalibrated mark -> 23 with increase2
Exam -> ragioneria
- supposed mark -> 26
- credit -> 9
Recalibrated mark -> 24 with increase2
Exam -> diritto_commerciale
- supposed mark -> 25
- credit -> 9
Recalibrated mark -> 23 with increase2
Exam -> finanza_aziendale
- supposed mark -> 27
- credit -> 6
- ordunt -> U

Recalibrated mark -> 25 with increase2
Exam -> diritto_privato
- supposed mark -> 22
- credit -> 9
Recalibrated mark -> 20 with increase2
Exam -> programmazione_controllo
- supposed mark -> 27
- credit -> 9
Recalibrated mark -> 25 with increase2
Tot numerator 1 -> 1899
Tot numerator 2 considering -2 of uncertainty -> 1800
Check -> sum between Num1 and Num2 Finished 3699
Check -> total avg considering -2 of uncertainty -> 23.41
Check -> total mark of degree 85.84 pushed

Exam -> diritto_del_lavoro
- supposed mark -> 25
- credit -> 6
Recalibrated mark -> 24 with increase1
Exam -> organizzazione_aziendale
- supposed mark -> 26
- credit -> 6
Recalibrated mark -> 25 with increase1
Exam -> statistica
Exam -> statistica - supposed mark -> 24
Exam -> statistica - supposed mark -> 24
Exam -> statistica - supposed mark -> 24
Exam -> statistica - supposed mark -> 24 - credit -> 12
Exam -> statistica - supposed mark -> 24 - credit -> 12 Recalibrated mark -> 23 with increase1
Exam -> statistica - supposed mark -> 24 - credit -> 12 Recalibrated mark -> 23 with increase1

Recalibrated mark -> 24 with increase __ -1 __

Recalibrated mark -> 21 with increase1
Exam -> programmazione_controllo
- supposed mark -> 27
- credit -> 9
Recalibrated mark -> 26 with increase1
Tot numerator 1 -> 1899
Tot numerator 2 considering -1 of uncertainty -> 1878
Check -> sum between Num1 and Num2 Finished 3777
Check -> total avg considering -1 of uncertainty -> 23.91
Check -> total mark of degree 87.67 pushed
Exam -> diritto_del_lavoro
- supposed mark -> 25
- credit -> 6
Recalibrated mark -> 26 with increase 1

Exam -> organizzazione_aziendale
- supposed mark -> 26
- credit -> 6
Recalibrated mark -> 27 with increase 1
Exam -> statistica
- supposed mark -> 24
- credit -> 12
Recalibrated mark -> 25 with increase 1
Exam -> economia_aziendale
Exam -> economia_aziendale
Exam -> economia_aziendale - supposed mark -> 25
Exam -> economia_aziendale - supposed mark -> 25
Exam -> economia_aziendale - supposed mark -> 25
Exam -> economia_aziendale - supposed mark -> 25 - credit -> 12
Exam -> economia_aziendale - supposed mark -> 25 - credit -> 12 Recalibrated mark -> 26 with increase 1
Exam -> economia_aziendale - supposed mark -> 25 - credit -> 12 Recalibrated mark -> 26 with increase 1

From a didita community	
Exam -> diritto_commerciale	
- supposed mark -> 25	
- credit -> 9	
Recalibrated mark -> 26 with increase 1	
recalibrated mark > 20 with inclease 1	
Exam -> finanza_aziendale	
was and made of	
- supposed mark -> 27	
- credit -> 6	
Recalibrated mark -> 28 with increase 1	
Exam -> diritto_privato	
- supposed mark -> 22	
- credit -> 9	
Pagalibrated mark > 23 with ingrees 4	
Recalibrated mark -> 23 with increase 1	
Exam -> programmazione_controllo	
- supposed mark -> 27	
- credit -> 9	

Recalibrated mark -> 27 with increase __ 1 __

Recalibrated mark -> 28 with increase 1
Tot numerator 1 -> 1899
Tot numerator 2 considering 1 of uncertainty -> 2034
Check -> sum between Num1 and Num2 Finished 3933
Check -> total avg considering 1 of uncertainty -> 24.89
Check -> total mark of degree 91.26 pushed
Exam -> diritto_del_lavoro
- supposed mark -> 25
- credit -> 6
Recalibrated mark -> 27 with increase 2
Exam -> organizzazione_aziendale
- supposed mark -> 26
- credit -> 6
Recalibrated mark -> 28 with increase 2

Exam -> statistica
- supposed mark -> 24
- credit -> 12
Recalibrated mark -> 26 with increase 2
Exam -> economia_aziendale
- supposed mark -> 25
- credit -> 12
Recalibrated mark -> 27 with increase 2
Exam -> ragioneria
- supposed mark -> 26
- credit -> 9
Recalibrated mark -> 28 with increase 2
Exam -> diritto_commerciale
- supposed mark -> 25

Recalibrated mark -> 27 with increase 2
ixam -> finanza_aziendale
supposed mark -> 27
credit -> 6
Recalibrated mark -> 29 with increase 2
ixam -> diritto_privato
supposed mark -> 22
credit -> 9
Recalibrated mark -> 24 with increase 2
<pre>sxam -> programmazione_controllo supposed mark -> 27</pre>
credit -> 9
Recalibrated mark -> 29 with increase 2

Tot numerator 1 -> 1899

Tot numerator 2 considering 2 of uncertainty -> 2112

Check -> sum between Num1 and Num2 Finished 4011

Exam -> economia_aziendale
- supposed mark -> 25
- credit -> 12
Recalibrated mark -> 27 with increase 2
Exam -> ragioneria
- supposed mark -> 26
- credit -> 9
Baralihartadarada 00 with incorpora
Recalibrated mark -> 28 with increase 2
Recalibrated mark -> 26 with increase 2
Exam -> diritto_commerciale
Exam -> diritto_commerciale - supposed mark -> 25
Exam -> diritto_commerciale - supposed mark -> 25
Exam -> diritto_commerciale - supposed mark -> 25
Exam -> diritto_commerciale - supposed mark -> 25 - credit -> 9
Exam -> diritto_commerciale - supposed mark -> 25 - credit -> 9 Recalibrated mark -> 27 with increase 2
Exam -> diritto_commerciale - supposed mark -> 25 - credit -> 9 Recalibrated mark -> 27 with increase 2

Exam -> diritto_privato
- supposed mark -> 22
- credit -> 9
Recalibrated mark -> 24 with increase 2
Exam -> programmazione_controllo
- supposed mark -> 27
- credit -> 9
Recalibrated mark -> 29 with increase 2
Tot numerator 1 -> 1899
Tot numerator 2 considering 2 of uncertainty -> 2112
Check -> sum between Num1 and Num2 Finished 4011
Check -> total avg considering 2 of uncertainty -> 25.39
Check -> total mark of degree 93.1 pushed
======= FINAL MARK SECTION =========
Choose degree months between:
'a' -> september

Recalibrated mark -> 29 with increase __ 2 __

'b' -> december

'c' -> february

Degree month -> <__main__.september_Strategy object at 0x0000027DAF166440>

All scenarios :

 $[103.89,\,103.89,\,90.04,\,90.04,\,91.84,\,94.67,\,100.26,\,102.1,\,102.1]$