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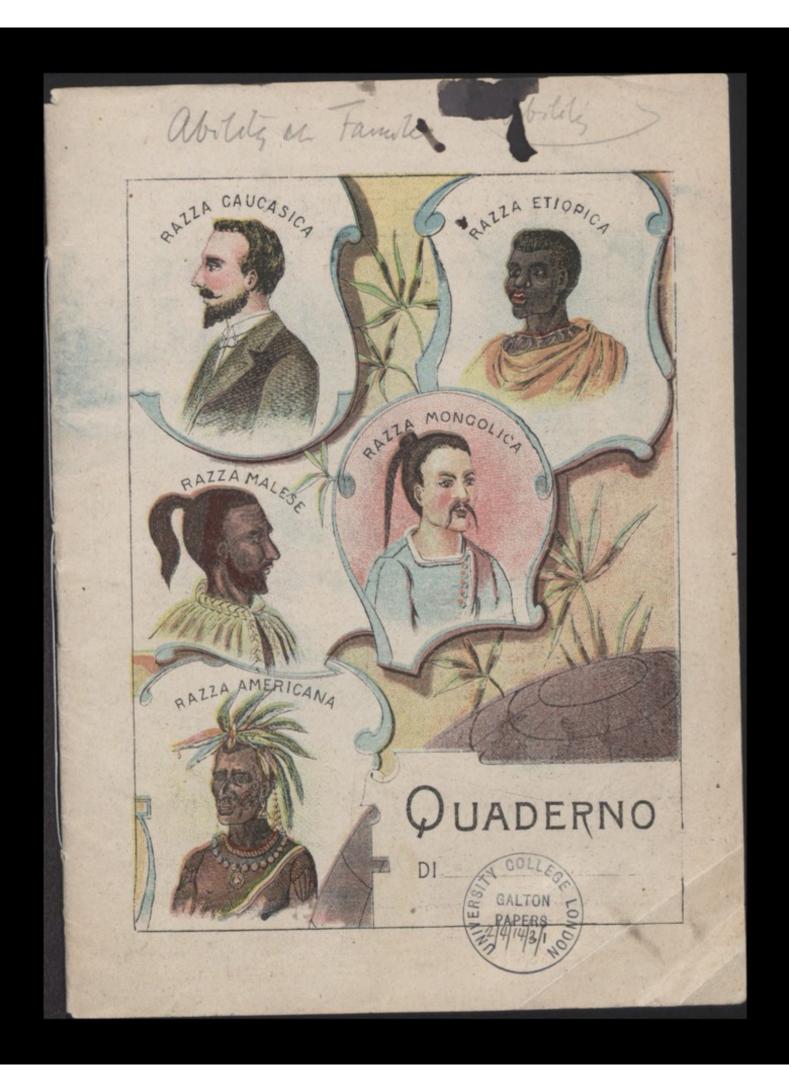
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F.1 / Rage 9 10 20 Tables of 256 combinations 25 outrie of contents 27 Tably of 14 comben cloin 28 allempt of dreft of paper 29 30 wigh CO1 MINERS, GALTON LOND PAPERS Reur kinding 1 Patter & Mothers hered inthemal

Geams . High degrees 19" n 2 place, + first class wang branch minister of state . Head of Department, Permanent see? + othe high post in any public depart: ambassador Governes of Colony, Cound General, sec' legation Hendert in a forest Court General nAdmined in high commend high staff appointment. Public services Public services Judge at home of abroad Metropol: magnitoch County Court Judge Committee mar . Bishop, Dean, archdeacon, SminEnt clercyman, distinguisted portion missionary of repute, philanthropist

3 4.21 President and sec " of great institutions] Phyrian distinguished . to large low thospital Professor. Head of college on quet School Enspecta of schools . Head mustreess Large agency . Engineer in charge of important works Founder of great butuers, Inventor. Iminent scholar proneer in industry. Syplorer, discoverer, traveller Editor of inportant paper. Writer of scientific memoirs author of standard weight, Recognice authorize is one swince nant.

Honors, FRS, Racademy, DCL, & raised to permane. PC, KCBgaw higher . High freemaconic rank . Toreign orders. 850 ù artistic shell M.P. Suscessful butiness man, may or of unportact lows de active in public life, Fellow of college, author of repute. Indian curil Sen minent clergyman & Scholor of a College, many prizes, R Eng prominent county man. good professional position . Well known forsand able, much force of character, acquisitive mind of a high order. social leader. he the his husband greatly a his literary work. learned both Greek a Hebrew unassisted "have no herstation in calering her noteworthy and able" Dict Nat Biog . Encycl But my sugel the obituary notice its Times be. in Journ: of Se: Soc Special biography.

Gert - painter, poet, marician, scutptor, caricaturist engraver. actor, architect. Power of calculation, chess flayer mechanical skill moentioners

f.4r 110. a.C. Edenburg gold medallit K. Penne + Shelpedher husband greatty in his literes work

A constin 1; Bar 3/4; C stanky alone counts as nothing, but two n more is may be counted as B and a B with Csi may be racted to an A. The letter atted to the subjorned list average estimates only. Whenever an know has been obviously the gained through birth or wealth its importance is deminished, possibly t-zero; whenever it has been gained in the face of exceptional difficulties, its importance à augmented. Speroia has shows that although there redes may seen bague there is little difficulty in interpreting them correction, for the result of different attempts at marking i closely the fame

65. Classification i into the division a shirt countras 1, a soft as 3/4, to differentiating in which may are a Burran A. " and the Brut a B. B. important Engline entry concidentions may also mit tant The letter added the following hist heroe as than average estimates - When an how a post is clearly the result of mer birth in fortune the the inportance is diminished it may be there. When it his been coment the face of exceptional definition to any inter-toppenia has there that there is little difficulty in a marking the uniform according to four marks, the Same cases on different attempts. 48 195 44 31 188

Note worthy : success A and B almost the holder of Any of the following positions or a B mark, according to its importance, but subject to accentional reservation. than through sheet ability it importance is unter love (ty unit M?) that and if in the face of difficulties in inter inted man high is enchanced in the face of difficulties the infortance is enchanced . Some A the posts the wind the man interview the the house of the posts the wind me. I a mark The that of qualifications or goven, which depends on personal estimate only. to which the context a the dependent the testinging on love liter loved it accomed the there one of theme. a singe atout as thother - we two o more may have the value of a B, the and Com connection with B may tacked it to A,

too a anon on and One a many As countras 1, 13 is 3/4. Carth D D. authficker list & appligs to women only, and may quality them for a B mark. Two or I combined they may loen atting to A. qualitication E. a fourth list E in for youthe only, and formatice . Qualification under this class too mus be prece follows preceeded by year of birth a followed by year of performance as son 6. 1890, ... scholer 1903. a By is the utmost elightling rare commutateak cases that thetan be gained, Justitus class. 1900

ARB Lest rear always * or + Chist of personal satimater, principally value) Prominent county man . action in public altain. Success fet in business. Prominent in cion business matters, good professional portion; of high repute as a Scholer, be. D. List in respect of women, generally altimet + a = Reputed very clever, a Social leader, artistic in any way tan unusual degree , force of character . I The following were suggestide returns - "I have no heritation in judging her to be noteworthy", "acquisition mind of a high order". "learned both Greak a Hebrew unassetted "had a great and resonance influence in forming the character of her (distinguished) sons". "helped her husband) greatly in his (stander, literary) work" Civic, educational or philanthropic work sh - belaten into account, also britliant prize winnings at School & College

a to A 3 grader of ability Success 10-10 A+0 a+O 1 1 2 9 5 afo a+O 12 ato 3 SI A+0 A+0 A +0 Ix 15 Cumits of Sniceri abitit nullen 2 an association with -2 -1 3 -1 D 4 1 0 +1 -1 +1 5 0 -+ 11 +2/6 +1 11 . -1/2 0 +1/2 2 RO. F. 7v

F.81 usuals qualitys to a -E list for youths only Place in examination tower them those mentered above. School scholarofiles and exhibitions of fair importance A whether one a many qualifier for a * , here is therefore no need to addice a long list of achiesenest The greater & the pored to which the less.) unless it to to show underent abolity of many kind, & not side specontifform of it only a single B qualifier for a + , Two or more B's qualify That ×++ been received. They are arranced to cuvenia warter this of them, but usedly the curtist has the latter that of account raining the unspectation of some concerning that of others, as when a portion has been won in the face of orthands as differ into through social polition. It has been four lawy thard consistently in mater allempto at Withen the

A81 hateral , ability talent generis, whatever name to given to d is allotted in very different measure, to different persons The the Talents in the (Tamble (Lati) Mor comment word Falents when is derived from this purable, expressed all that and is well expressed by the hacknessed wow "talents" which a derived from the parable Success a life depends partly on talents finadurat parts, whether observed in there of the other with and parts on advantage, where both I they in the berge while time & Andreastics on the justify the fibran "Aucun is wholly the result of ability sopportunity. In other work about & opportunity an severally correlated with incass using correlation in the technical dence given t it is brometics & consequents defining the quality from I the relation that connects them in a a definite & acept wary.

R.g. of course Access i but an unperfect lest of , how ability, thench the most mushworther that . which the let us consider the Correlation may be a very complete other & doubthers is so here, but a very timple, mittance suffices to show the general form of the character whether it be sample of otherwise, and which in the last analysis depends on the practically universal fact that mediocu values of a variable quality occur more frequently than extreme ones on litha hand, This medioen ability is non common then very high a very low ability, metiver apportunity is more common them exceptionally Javohable a Gaptionally unfavorable opportunity.

B & G T3 Eratin of ability TT h h P ophnenity R9v BBT Bh Bh BP -2 (-1 -1) 0 b bor bh th bp at a oft 6 6T 6/ 6/ 6B -1/0 0 +1 BBT BA BA BP 0 (+1 +1)+2 Success Correspond, Grafs, of ability man grafs of Abili ß -1 -1 -1 -1 -2 -1 BB66 -1-10.0 -2×4 -1/2 B6666 -1,000+1 0x6 0 0 +1 bb BB 00 +1 +1 +2× 4 + 1/2 +2 3 11- 41 4

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+/	-2-1-	- 10 H	70 +1	- A	0	+1	+1	+1	+1	+1	+1	+2	+2	+2	+2	+3 +2	1
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+2		10	2017	0 79	(++)	+1	+1	+1	+1	+1	+1	+2	+2	+2	+2	+3	1
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There are sorter attentition - ust good £ 10 b Salate Far to fair Community Crushinebur Here Part fa Han 1 por la for long N TV white COLL NERS) GALTON PAPERS ONDO Selves 110 persons and their direct male ancestry. brothers of the above . Generations Ņ 1 M Mean Level of the Community > Selves ta fa tros fa fa fa boos of fathers tre fa fa Level devel Community fa fa fa fa ha bros of fa fa brothers + Mean of the Mean z × Nean

21 Nos nº each Nº1 . . Grade corresponding goales of Ability Caren Thei man Total +2 Success -1 0 +1 -2 1 -2.0 -4 1 1 -8 -1.5 4 4 -3 -6 28 -1-0 6 16 -2 -0.5 56 24 -1 4 24 4 -1 16 36 16 0.0 0 1 70 +0.5 +1 24 56 4 24 4 6 16 6 28 +1.0 +2 8 + 1.5 4 4 +3 1 1 +20 +4 28 = 256 16 -24 -12 257-28(1 -8 4 +-4 8-12 (1.5 50-28 0.5 24 6 1/22 14 - 44 40 Z 10 10 5 1 1 15 20, 15, 21 35 35 25 1 567 1 8/+12/1 61 T 567 +28 27 1 8 8 1 28 56 70 56 28 256 fille

Filly er page 27 Each possible combination of ability and opportunity, -1, Qy a)+1 Together with their summed values, There are taken to be those of the resultant Saccesses Grader of Abilily Grades 1 cases in two eases work 1 cases opportunity -1 = -2 -1 = -1 -1 = -1 +1 = 0 1 case 1 - 1 -1 -1 0= 0 0}= 0 +12+1 2 malk 19 2000 -1 = -1 = 0 = 0 = 0 = 0 = +1 = +1-11= 0 01= +1 +1 = +1 +11= +2 1 care 1 +1 Nucher and value A the Grades -1 Me No cares NºCOD + 1 Tener Value Mean Success klue 1% 44 £1.0 -2/ 1-1 1-2 4/ XI Dis 2 -1 6 0 1 2 00 4 +2 12 0 XI CC0. 53 12 +22 al are 3 -1 0 -1 -1 +1 -1 0 0 0 0 0 +1 0 +1 0 0 0 -1. 0 -1

Cud for the correct and is compound 23 01 +1 0 +2 ablaty 5 -70 Grady in Each meto Nºcon! Total Total ability Eral 0 Value Call Value Success 0 5/= 4 41 -1.0 1 - 2 2 -21 -0.5 - 1 14 1 0 0 0.0 -11-21 2 2 +1 +1 4 +015 +1 +1.0 Mean Graty Total Nº & cases and values in Ability that are associated with the Varian grates & Smally values Caros Success Valua -1.0 1 case of -1 one 1 -1 for At 2 cure of -1 2 cures 10 -0.5 -2 -1 1 case of -1 Licenser / O I case of #1 44 6 0.0 0 0 2 caser 10 2 caser 1+1 Fran 4 +2 +0.5 + 1 I cased +1 +2 NI +1.0 +1 f.12+

F.12. The existence of facompacation treall rimber 1) The everleter the comparation & third number of centrate of it Alter nation is clustered, with paperdely diministry closense as the distance of blenthing from the centre increases Centre les Three variables how the considered reckaned with whi At Success, abotity & Fortune according the following Definitions Successes, must be to the that the following Definitions Their vitue has been protection of the consult with the same their vitue has been protection of the source of the form, tubiect to some most freather a cardy to circumstances I have marked them for my our we purposes with either a * a + nato be reckored the first of 3 the second at 2 The selection balan 3, 2, as In some beg few cours an abstitution for the function of the family has been allowed a low mark, expecially the femaler State unaccompanied? and definity verifiable many the follow, list i' compiled for the returns I have desired, they have all & received a * 11 a + after later the How is proverly a context in a context in the account, Some have received of a -Litt. Heep to major Litt. Lee fill 13 for the mainer

F. 131 Object Success patritity and fortune principle - actiminal (Markes employed to success) Securit principles of Principles of treatment toos, whose to besi Zoner of equal heretory dignificance Remarkably gifted families (withermann) male a femiale dered : rifliences Fithe bature of success according to grade of Kinthell & accuparities with the community Remarkably sifled families

F.13V Success as defined well enough aboon to the purpose of the present inquiring is a variable correlation work live other vernables abouting o fortime which terms with be used in to comprehensite or texes as to beclude every other influence Abolity then could be baten to include all internal provers (that an conducive t good not faccies,) & Tortune to include all external in fluences here, this A=-1 C=0 [=1" A=O c=010 Azo C=0 =1 A=-1 C=+1 0 + 1 ! 6=+1 670 330

F.14r 27 all possible combencation of three Grain of ability =1, 0, +1; whow respective prequencia in 1, 2, 4, with these semilar grades of Circumstance, The summer values of each combination in taken to represent the value of the Resultant Success Table 1 A C Sum -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 0 -1 0 -1 0 0 0 0 0 0 +1 0 +1 -1 0 -1 0 0 0 0 0 0 +1 0 +1 -1 +1 Q 0 +1 +1 0 +1 +1 +1 +2 contracting Values of Abutig to makes for tight Vasues Values Cies velves Values cares values Values Crea values cares Summer interferent Values of S Havid) -1 2 -2 0 2 0 - - - 4 -2 -0.5 -1 -1 1 -1 00 4 0 +1 1 +1 6 0 0.0 0 +1 - - +1 1 +1 1 +1 +1.0 +2 - -The figures shade with blue the in heavy type

F.15r This igning was command by sure purty the will the object of learning how far abolity dustered in familie & how far it was what's out to bear obtain Will the balin guton in welled with houser, thet a 6 and worth constant under which a high breedy of mantered admit of being formed established It has served aperilly as a ballon d'essai to learn whether this sort of wyung we lotely to prove as ascept and had poped it might be A hittout value to make it work which to proceed further . he answer is in the affirmation The fourther much be carefuly The my fearth weather of caesas about in in the sort of inquiry is success, the first state into put by the million of the first state into put by the inter tespect In what I have ad called actuarial at the toped to be to have figures worth dwelling in the fact that in underorded are

continued tres the face in ford 3. f. 15v The is therefore extre probable that - Success is tought and the the average, couchy perportionale to that natural about, and serves as its meetare. This ober term is strongly confirmed by the think further formater marke games in large competitione lyaminations with clusing the run in fair accordince with the Normal laces of treasury -Littlevery natural quelity that has been merenced a discussed, that been in frequency derifore & hatured abold may be safel allowed to be the their and the and the action of their and the action of the proved and the action of the proved allower the ported allow the contract of the the allower and the the the allower allow for unperfect conforment, 1-the normal law of frequency the broad conclusion seems contaction that baccess server as a rough statistical menune of ability integers a Mesself the word Success in the preceding Tables & figures may be papely the When by Ability "related about," the range of deviation writen which and beyond which the individual west is average is equally likely to fall shall be reduced to any derived amount.

filbr notured gette an frequently repressed by detter arcunstances, a deadloped billienth under favoring mer I could perhaps as reading as more person dergen esperair fand of unjunier into heretig Jewe power but Mustration of all this to but the not taken the for to this prop of glath occurring at ever age, but that would not affect the the action of de life at sail a sorry age, afin which Tamaace tubles are constructed : Horocoe uncertain the an individual court may be , it is certain that by averaging bey many the uncertainty gratually yields and because replaced by practical certainty the that greater the lese uncertaily in insorteal care can effect is the determined the number of cases that must be averaged before to uncertainty is reduced to water the defined lange. He scatter lepen as the number that are averaged wereaser,

inflater lette both ways . The are boy will hefter for Sociel LACKO distoractions from which the other i execute . Itaac Taylori aucation Saved by that gracious sift , in splitute t please" It is not great arbig too rend to hupler farther that apporte went of weather and the grade of Success achieved shall be the turn of the strader of Nature - Circanstere Justicities that the of a contraction of one a hus scale of network with a flow scale of circumstance shall produce a Aun agreed & Sacces of with raising commentance of flow as goale . and the with a respective graff a respectivel The gooder wall ranky as plus 1, Tero, and minin 1 100, +1) Nature with +1) Circumting thall lead 1-+2 of encess; ; if & with 0 of Corementione t +1 1 Success; , if with -1 1 Circumster to Zego 1 success. Similarly for all other combination. It weak to the a square table, with the 3 sould of the combination of the the 1 circumstere to the and to write a Sould of the new combinations to the term of the protoco coherbards with the content of the terms of the success, will range fort? to 2 and the content of the new of the success will range fort? to 2 and the denote the terms of the terms 1 to 2000 2 fortune 1 of the and the term to associate only of Waters unt he ar follow 2 forten 2 of Success to a success of the of SEO of N -1 18 to - h 1 N, -21 St 1 1 N. There is new for the term to the SEO of N 1 many to officient that the number of man the term of the terms 1 many to officient that the number of man the term of the terms the except of the terms of the terms of the term to the terms 1 many to officient that the number of man the term of the second the terms 1 many to officient that the number of man the term of the second the terms 1 many to officient that the number of man the terms of the second the with the second the excepted duty to officient as the second of the terms of the second of the terms 1 many to officient that the number of man the terms of the second That +1 A Nature with +1 of Circumstance shall lead 1-+2 of Las an examples (Es back me face) averages there are In short that Dery many ways of estimation success in this done all of which agover in their, one of the best is the distribution of matter in competition examinations whole distribution is more closely normal them I claimed for Success secondly f.16v

though at a mand shower pute that the malter so familias & there who occupy themselves with the theory a practice of problems in chance, I will cule (no further here, The question there is an we justified by rational conternation in using Success at an actustical serie a meanin of abolity? I shall show that we are. The problem a obviously of the same general fortun as a vest number with which any dealt with in Birmetner, and that form tette us a great deal. I do not stop t define Success, but of course it admite of being so defined that any person may walt understand what fait, well what is intented of the we fitte word . Lait no rever a present than that i shall be curifiered a Variable, having the common properties of buriables, that metorcre bahren shall be most frequently met with been lettreme ones, I Precisity to head and the more do L

F.17 On these controter log .) Crustling & for move with a fairly assure total these of out treacherors grown, benow, that we shall stumble for the against any peritori fallo. that is capable, of air first Means bissue priestoliche, account dier a most hetelogeneous complex without for Means bissue priestoliche, account dierunding, finisconstitte varies and of which acts differents account to the quality of the about the Bad salvation lies in its bery heteropriest for it is all of which a chars as they that the beautifully clear laws I replaced priests of them. Still that are meny and this of the selented and man laterap come double out of such the ford at and the selence of the selence of the address of the selence of the address of the selence of the second of the affitting, the mediocre grades containing more part than the extreme mer. But was once the difficultion. If juriterance was interfer dest of ability and if me that for alled to and of ability could be held E unit a no unit of facings act other hand far far wealth circlemetances in of wealth and rank are preparicial Watter than helpful by with Prairie, the principal stimule tepertion

F.18r dene in respect to Ability, the little near beijdue to the for the considerable assurance we have that it this all other weamenth human quality which have been discuped to a fairly hormal variable. He Succes in due party to about and parts to me or mon of a bast group of causes that may be tabelled "Circumstance" Here again our deputien must wait. It will suffice they that locy with a dement of success other than about the that they called Corcumstance, and If Corcumstances pt a Darieble. now if circumstance were a normal variable and of it were independent of about we should proceed surisminicly, but we have no right tablame this first and the second is not true. In instance, a broke dever bog attracts notice, and is afforded opportunities that never come to a dull a stufied see allowing fully for all this it with statt be instruden to follow and the results in the supportion not

f. 18v The Success of each man in the combrued effect of his Watare & of Corcumstance. Under Mature indudes totated about any many many approach, effect a success indudes totated about the among many alles there of the qualities of aptitudes fall took that are could be had La utillegtial sites a persona disposition appropriate do an able moved a persona disposition appropriate all there will be growthed under the torus hater a man bridge that the laster licencensistence wideles healthy hurroradicity, eracating family influences, social means, and beinne. There would be little difficult, in sorting the mass of our countrymen of the into three grates of favorable states - good mediocre a bad - in respect to Arature and to Circumstancy respectency. Fis and Tin work hurting in man contract the state of the Wash purposer los mas contrider them independent of each other which the mithet with the the independent of each other which the costs with do their if the inquirs when more precise, because they are in tomat and degree somewhat correlated, thus as bridd intelligent a altraction by will receive more favors and opportunding a dancement than a doobt stufied a unattraction me. Kab con This Erbach 2 pege

F.19 I would say, that i that S A & F an three normal variables and that in each care the S is the sample man of A & F. Then I see how far a knowledg of S help as to a knowled of A. Parts because the binomial problem; of dealing with grober, is neared to over wants, parety because then the exponential are party, perhaps chieffy, because the generis of its result is clearly displayed, Furt use it here, in a very smiple shape A & F shall ead be devoted into 3 grader, small metroin and large the mumber in them being taken (on well known grown & as I g small, 2 fm) It or targe ... To find the sam of every possible combination between them, ead of the constituent unit of the one -1, 0, 0, +1 must be added to Eath of three of the other as has been done in the table I The resultant batues of S with be one of -2, four of -1,

38 F.19. This example shows us what I expected when, the neglected difficulties have been talen int account. There is nothing in them to far as I can see to writitate against the acceptance of is as a rough a complete of all the first a complete the prim of 2 alt alles 1 Not normal 2 Nor widependent 3 rest south conclusion but even destention complex of my gues functions salvation lies in the "meny" also if faccus salvating and both morenet the advance must be to COLLEGE GALTON LON PAPERS JS

F.20ar 30 6 A 0, 4 A + 1, and 9 of + 2, 16 mall. We then clussify these villes as has been done of Table 2; placing by the side of each the number s orther of their A constituents, and there get the average value of the A, that is associated with cada balue of Six Their values are counted outward from O a medicority. We see that a = 2. 5. This for the holds however many grades we dealt with . It is gut clear enough the out cally , it of safer to lest, so I did this for the 156 combinate thank with the finite units of Farthering It is needly to generalise this problem I gls that is Metines & show being the fact & the genetics of the regression, the actually speaking, I is here a true necour of a for Expire samply the half of S Had a larger weight been given to f, then a would have been lef than it's half , that is all .

fi2Dav nu fa 13 8, 2 -fa fa 16 3 3 2 fabro 11 13 3 1 ne bro 11. 14, 3, -620 Apr 41 11 2 -Si Son 1 4 1 -Total 3127 8 3 25 26 6 fa fa bro 8 1 - 1 menubro 1 1 - 1 fa bio son 10 7 1 1 mesison 6 5 3 grant total . 193595 32 32 9 2 84 64 fasi 13 me ti - 4 1 ho da _ 2 ti da 1 1 1 1. 4 -1 5 2

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