

Färgglad tabell

Här är en lathund (latkatt?) för att snabbt se vilka färger kattungarna kan få, när man vet föräldrarnas färger. Alla färger är skrivna med FIFe:s EMS-koder:

n - svart
a - blå
d - röd
e - creme
f - svartsköldpadd
g - blåsköldpadd
s - silver/smoke

21 - agouti, ej specificerat mönster
22 - tabby (klassisk tabby)
23 - tigré
25 - tickad

Medtagna är de flesta färger som är godkända på maine coon. Undantaget är helvitt (EMS-kod w). Även shaded/tipped (EMS-kod 11 resp 12) och EMS-kod 24 (spotted) är skippad liksom all vitfläck, eftersom man inte vet riktigt hur detta nedärvs i vår ras. Inledningsvis ska jag därför säga något lite kort om några av dessa färger.

En teori är att shaded/tipped beror på en ofullständigt dominant gen som betecknas Wb (wideband). Om katten har en sådan gen, och den andra "normal", wb, så blir katten shaded, om katten däremot har WB-genen i dubbel uppsättning blir resultatet den extremare "tipped" (chinchilla, shell) varianten. Detta under förutsättning att katten är agouti, annars ser man ingen skillnad mellan Wb-bärare och icke Wb-bärare. Denna teori lär stämma väl in på perser och med perser besläktade raser, medan det inte stämmer så bra på maine coon. Hos våra katter är ju inte heller dessa färger renavlade i generationer som de i många fall är hos perser. Man ser oftare maine coon som är röd eller creme shaded silver än svart eller blå shaded silver. Ofta har då dessa katter en annan färgvariant, som man föreslagit namnet "pseudo-merle" för. Dessa katter är ljusare på större delen av kroppen, men har mörkare fläckar här och var. En del blir så ljusa av detta att de bäst beskrivs som shaded. Se mer om denna färg på <http://messybeast.com/merle.htm>

Helvita katter får vi på grund av en dominant gen, W eller DW, som gör att alla andra färganlag döljs. Katten bär alltså ändå på anlag för t ex bruntigré-vit, det är bara det att det inte syns vad den bär.

Spotted kan man inte få om man inte kan få agouti. Det är ofta svårt att avgöra om en katt är tigré eller spotted. Därför är det på icke färgavlade raser svårt att avgöra hur spotted egentligen nedärvs. I vissa raser har man dock kunnat se att spotted orsakas av en dominant gen som bryter upp underliggande tabby- eller tigrémönster. Tabbybaserad spotted ger tydligare spottedmönster än tigrébaserad spotted.

Vitfläck nedärvs på ett mycket komplext sätt, vilket man bittert får erfara som uppfödare av turkisk van och birma bland annat. En viktig gen i sammanhanget är dock en ofullständigt dominant gen som betecknas Ws. Ws i dubbel uppsättning ger en harlekin- eller vantecknad

katt (EMS-kod 02 resp 01), Ws i enkel uppsättning en bicolour (EMS-kod 03) och saknas Ws så blir det en katt utan vitt. Anlaget Ws sitter i samma locus som genen för helvitt. Man har dock också hittat en recessiv vitfläcksgen, som bland annat finns på birma. Den betecknas g. Genotyp gg ger alltså vitfläck, ungefär som på en birma. Nu måste det finnas fler gener som påverkar också, men dessa har inte kunnat kartläggas. Som tumregel kan sägas att man inte bör förvänta sig ungar med mycket vitfläck om ingen av föräldrarna har det, den enda vitfläck som brukar kunna dyka upp på ungar efter icke vitfläckskatter är vita medaljonger, en liten vit fläck på magen, lite vitt mellan tårna eller dylikt. Men när det gäller vitfläck kan man aldrig vara riktigt säker på vad som kan dyka upp.

Tabellen används så här:

Leta på faderns färg i den vågräta raden högst upp (den fetstilta). Leta på moderns färg i den lodräta fetstilta kolumnen längst till vänster. Leta på siffran som står i faderns kolumn och moderns rad. Slå upp siffran i tabellen nedan. Färgen eller färgerna som står först och ej inom parentes kan ungarna definitivt få. Färgen eller färgerna som står inom parentes därefter kan ungarna eventuellt få, beroende på vilka anlag föräldrarna bär dolt.

Jag vill passa på och reservera mig för eventuella fel. Jag har försökt att vara noggrann, men som ni säkert förstår är det lätt att bli förvirrad när man har kommit halvvägs eller så. Om ni upptäcker något fel är jag mycket tacksam om ni meddelar mig det, så att vi kan rätta det.
Adress: ulrika@pawpeds.com.

© Ulrika Olsson

far ->	n	a	n 25	n 23	n 22	a 25	a 23	a 22	d	e	d 25	d 23	d 22	e 25	e 23	e 22
mor																
n	1	1	97	4	4	97	4	4	9	9	99	12	12	99	12	12
a	1	2	97	4	4	98	6	6	9	10	99	12	12	100	14	14
n 25	97	97	97	97	97	97	97	97	99	99	99	99	99	99	99	99
n 23	4	4	97	3	3	97	3	3	12	12	99	11	11	99	11	11
n 22	4	4	97	3	7	97	3	7	12	12	99	11	15	99	11	15
a 25	97	98	97	97	97	98	98	98	99	100	99	99	99	100	100	100
a 23	4	6	97	3	3	98	5	5	12	14	99	11	11	100	13	13
a 22	4	6	97	3	7	98	5	8	12	14	99	11	15	100	13	16
f	17	17	101	20	20	101	20	20	25	25	103	28	28	103	28	28
g	17	18	101	20	20	102	22	22	25	26	103	28	28	104	30	30
f 25	101	101	101	101	101	101	101	101	103	103	103	103	103	103	103	103
f 23	20	20	101	19	19	101	19	19	28	28	103	27	27	103	27	27
f 22	20	20	101	19	23	101	19	23	28	28	103	27	31	103	27	31
g 25	101	102	101	101	101	102	102	102	103	104	103	103	103	104	104	104
g 23	20	22	101	19	19	102	21	21	28	30	103	27	27	104	29	29
g 22	20	22	101	19	23	102	21	24	28	30	103	27	31	104	29	32
d	33	33	105	36	36	105	36	36	41	41	107	44	44	107	44	44
e	33	34	105	36	36	106	38	38	41	42	107	44	44	108	46	46
d 25	105	105	105	105	105	105	105	105	107	107	107	107	107	107	107	107
d 23	36	36	105	35	35	105	35	35	44	44	107	43	43	107	43	43
d 22	36	36	105	35	39	105	35	39	44	44	107	43	47	107	43	47
e 25	105	106	105	105	105	106	106	106	107	108	107	107	107	108	108	108
e 23	36	38	105	35	35	106	37	37	44	46	107	43	43	108	45	45
e 22	36	38	105	35	39	106	37	40	44	46	107	43	47	108	45	48
ns	49	49	109	52	52	109	52	52	57	57	111	60	60	111	60	60
as	49	50	109	52	52	110	54	54	57	58	111	60	60	112	62	62
ns 25	109	109	109	109	109	109	109	109	111	111	111	111	111	111	111	111
ns 23	52	52	109	51	51	109	51	51	60	60	111	59	59	111	59	59
ns 22	52	52	109	51	55	109	51	55	60	60	111	59	63	111	59	63
as 25	109	110	109	109	109	110	110	110	111	112	111	111	111	112	112	112
as 23	52	54	109	51	51	110	53	53	60	62	111	59	59	112	61	61
as 22	52	54	109	51	55	110	53	56	60	62	111	59	63	112	61	64
fs	65	65	113	68	68	113	68	68	73	73	115	76	76	115	76	76
gs	65	66	113	68	68	114	70	70	73	74	115	76	76	116	78	78
fs 25	113	113	113	113	113	113	113	113	115	115	115	115	115	115	115	115
fs 23	68	68	113	67	67	113	67	67	76	76	115	75	75	115	75	75
fs 22	68	68	113	67	71	113	67	71	76	76	115	75	79	115	75	79
gs 25	113	114	113	113	113	114	114	114	115	116	115	115	115	116	116	116
gs 23	68	70	113	67	67	114	69	69	76	78	115	75	75	116	77	77
gs 22	68	70	113	67	71	114	69	72	76	78	115	75	79	116	77	80
ds	81	81	117	84	84	117	84	84	89	89	119	92	92	119	92	92
es	81	82	117	84	84	118	86	86	89	90	119	92	92	120	94	94
ds 25	117	117	117	117	117	117	117	117	119	119	119	119	119	119	119	119
ds 23	84	84	117	83	83	117	83	83	92	92	119	91	91	119	91	91
ds 22	84	84	117	83	87	117	83	87	92	92	119	91	95	119	91	95
es 25	117	118	117	117	117	118	118	118	119	120	119	119	119	120	120	120
es 23	84	86	117	83	83	118	85	85	92	94	119	91	91	120	93	93
es 22	84	86	117	83	87	118	85	88	92	94	119	91	95	120	93	96

far ->	ns	as	ns 25	ns 23	ns 22	as 25	as 23	as 22	ds	es	ds 25	ds 23	ds 22	es 25	es 23	es 22
mor																
n	49	49	109	52	52	109	52	52	57	57	111	60	60	111	60	60
a	49	50	109	52	52	110	54	54	57	58	111	60	60	112	62	62
n 25	109	109	109	109	109	109	109	109	111	111	111	111	111	111	111	111
n 23	52	52	109	51	51	109	51	51	60	60	111	59	59	111	59	59
n 22	52	52	109	51	55	109	51	55	60	60	111	59	63	111	59	63
a 25	109	110	109	109	109	110	110	110	111	112	111	111	111	112	112	112
a 23	52	54	109	51	51	110	53	53	60	62	111	59	59	112	61	61
a 22	52	54	109	51	55	110	53	56	60	62	111	59	63	112	61	64
f	65	65	113	68	68	113	68	68	73	73	115	76	76	115	76	76
g	65	66	113	68	68	114	70	70	73	74	115	76	76	116	78	78
f 25	113	113	113	113	113	113	113	113	115	115	115	115	115	115	115	115
f 23	68	68	113	67	67	113	67	67	76	76	115	75	75	115	75	75
f 22	68	68	113	67	71	113	67	71	76	76	115	75	79	115	75	79
g 25	113	114	113	113	113	114	114	114	115	116	115	115	115	116	116	116
g 23	68	70	113	67	67	114	69	69	76	78	115	75	75	116	77	77
g 22	68	70	113	67	71	114	69	72	76	78	115	75	79	116	77	80
d	81	81	117	84	84	117	84	84	89	89	119	92	92	119	92	92
e	81	82	117	84	84	118	86	86	89	90	119	92	92	120	94	94
d 25	117	117	117	117	117	117	117	117	119	119	119	119	119	119	119	119
d 23	84	84	117	83	83	117	83	83	92	92	119	91	91	119	91	91
d 22	84	84	117	83	87	117	83	87	92	92	119	91	95	119	91	95
e 25	117	118	117	117	117	118	118	118	119	120	119	119	119	120	120	120
e 23	84	86	117	83	83	118	85	85	92	94	119	91	91	120	93	93
e 22	84	86	117	83	87	118	85	88	92	94	119	91	95	120	93	96
ns	49	49	109	52	52	109	52	52	57	57	111	60	60	111	60	60
as	49	50	109	52	52	110	54	54	57	58	111	60	60	112	62	62
ns 25	109	109	109	109	109	109	109	109	111	111	111	111	111	111	111	111
ns 23	52	52	109	51	51	109	51	51	60	60	111	59	59	111	59	59
ns 22	52	52	109	51	55	109	51	55	60	60	111	59	63	111	59	63
as 25	109	110	109	109	109	110	110	110	111	112	111	111	111	112	112	112
as 23	52	54	109	51	51	110	53	53	60	62	111	59	59	112	61	61
as 22	52	54	109	51	55	110	53	56	60	62	111	59	63	112	61	64
fs	65	65	113	68	68	113	68	68	73	73	115	76	76	115	76	76
gs	65	66	113	68	68	114	70	70	73	74	115	76	76	116	78	78
fs 25	113	113	113	113	113	113	113	113	115	115	115	115	115	115	115	115
fs 23	68	68	113	67	67	113	67	67	76	76	115	75	75	115	75	75
fs 22	68	68	113	67	71	113	67	71	76	76	115	75	79	115	75	79
gs 25	113	114	113	113	113	114	114	114	115	116	115	115	115	116	116	116
gs 23	68	70	113	67	67	114	69	69	76	78	115	75	75	116	77	77
gs 22	68	70	113	67	71	114	69	72	76	78	115	75	79	116	77	80
ds	81	81	117	84	84	117	84	84	89	89	119	92	92	119	92	92
es	81	82	117	84	84	118	86	86	89	90	119	92	92	120	94	94
ds 25	117	117	117	117	117	117	117	117	119	119	119	119	119	119	119	119
ds 23	84	84	117	83	83	117	83	83	92	92	119	91	91	119	91	91
ds 22	84	84	117	83	87	117	83	87	92	92	119	91	95	119	91	95
es 25	117	118	117	117	117	118	118	118	119	120	119	119	119	120	120	120
es 23	84	86	117	83	83	118	85	85	92	94	119	91	91	120	93	93
es 22	84	86	117	83	87	118	85	88	92	94	119	91	95	120	93	96

Lista över färgutfall

- 1 hanar/honor: n (a)
- 2 hanar/honor: a
- 3 hanar/honor: n 23 (n, a, n 22, a 23, a 22)
- 4 hanar/honor: n 21 (n, a, n 25, n 23, n 22, a 25, a 23, a 22)
- 5 hanar/honor: a 23 (a, a 22)
- 6 hanar/honor: a 21 (a, a 25, a 23, a 22)
- 7 hanar/honor: n 22 (n, a, a 22)
- 8 hanar/honor: a 22 (a)

- 9 hanar: n (a)
honor: f (g)
- 10 hanar: a
honor: g
- 11 hanar: n 23 (n, a, n 22, a 23, a 22)
honor: f 23 (f, g, f 22, g 23, g 22)
- 12 hanar: n 21 (n, a, n 25, n 23, n 22, a 25, a 23, a 22)
honor: f 21 (f, g, f 25, f 23, f 22, g 25, g 23, g 22)
- 13 hanar: a 23 (a, a 22)
honor: g 23 (g, g 22)
- 14 hanar: a 21 (a, a 25, a 23, a 22)
honor: g 21 (g, g 25, g 23, g 22)
- 15 hanar: n 22 (n, a, a 22)
honor: f 22 (f, g, g 22)
- 16 hanar: a 22 (a)
honor: g 22 (g)

- 17 hanar: n, d (a, e)
honor: n, f (a, g)
- 18 hanar: a, e
honor: a, g
- 19 hanar: n 23, d 23 (n, a, n 22, a 23, a 22, d, e, d 22, e 23, e 22)
honor: n 23, f 23 (n, a, n 22, a 23, a 22, f, g, f 22, g 23, g 22)
- 20 hanar: n 21, d 21 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, d, e, d 25, d 23, d 22, e 25, e 23, e 22)
honor: n 21, f 21 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, f, g, f 25, f 23, f 22, g 25, g 23, g 22)
- 21 hanar: a 23, e 23 (a, a 22, e, e 22)
honor: a 23, g 23 (a, a 22, g, g 22)
- 22 hanar: a 21, e 21 (a, a 25, a 23, a 22, e, e 25, e 23, e 22)
honor: a 21, g 21 (a, a 25, a 23, a 22, g, g 25, g 23, g 22)
- 23 hanar: n 22, d 22 (n, a, a 22, d, e, e 22)
honor: n 22, f 22 (n, a, a 22, f, g, g 22)
- 24 hanar: a 22, e 22 (a, e)
honor: a 22, g 22 (a, g)

- 25 hanar: n, d (a, e)
honor: f, d (g, e)
- 26 hanar: a, e
honor: g, e
- 27 hanar: n 23, d 23 (n, a, n 22, a 23, a 22, d, e, d 22, e 23, e 22)
honor: f 23, d 23 (f, g, f 22, g 23, g 22, d, e, d 22, e 23, e 22)
- 28 hanar: n 21, d 21 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, d, e, d 25, d 23, d 22, e 25, e 23, e 22)
honor: f 21, d 21 (f, g, f 25, f 23, f 22, g 25, g 23, g 22, d, e, d 25, d 23, d 22, e 25, e 23, e 22)
- 29 hanar: a 23, e 23 (a, a 22, e, e 22)
honor: g 23, e 23 (g, g 22, e, e 22)
- 30 hanar: a 21, e 21 (a, a 25, a 23, a 22, e, e 25, e 23, e 22)
honor: g 21, e 21 (g, g 25, g 23, g 22, e, e 25, e 23, e 22)
- 31 hanar: n 22, d 22 (n, a, a 22, d, e, e 22)
honor: f 22, d 22 (f, g, g 22, d, e, e 22)
- 32 hanar: a 22, e 22 (a, e)
honor: g 22, e 22 (g, e)
- 33 hanar: d (e)
honor: f (g)
- 34 hanar: e
honor: g
- 35 hanar: d 23 (d, e, d 22, e 23, e 22)
honor: f 23 (f, g, f 22, g 23, g 22)
- 36 hanar: d 21 (d, e, d 25, d 23, d 22, e 25, e 23, e 22)
honor: f 21 (f, g, f 25, f 23, f 22, g 25, g 23, g 22)
- 37 hanar: e 23 (e, e 22)
honor: g 23 (g, g 22)
- 38 hanar: e 21 (e, e 25, e 23, 22)
honor: g 21 (g, g 25, g 23, g 22)
- 39 hanar: d 22 (d, e, e 22)
honor: f 22 (f, g, g 22)
- 40 hanar: e 22 (e)
honor: g 22 (g)
- 41 hanar/honor: d (e)
- 42 hanar/honor: e
- 43 hanar/honor: d 23 (d, e, d 22, e 23, e 22)
- 44 hanar/honor: d 21 (d, e, d 25, d 23, d 22, e 25, e 23, e 22)
- 45 hanar/honor: e 23 (e, e 22)
- 46 hanar/honor: e 21 (e, e 25, e 23, e 22)
- 47 hanar/honor: d 22 (d, e, e 22)
- 48 hanar/honor: e 22 (e)

- 49 hanar/honor: ns (n, a, as)
- 50 hanar/honor: as (a)
- 51 hanar/honor: ns 23 (n, a, n 23, n 22, a 23, a 22, ns, as, ns 22, as 23, as 22)
- 52 hanar/honor: ns 21 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, ns, as, ns 25, ns 23, ns 22, as 25, as 23, as 22)
- 53 hanar/honor: as 23 (a, a 23, a 22, as, as 22)
- 54 hanar/honor: as 21 (a, a 25, a 23, a 22, as, as 25, as 23, as 22)
- 55 hanar/honor: ns 22 (n, a, n 22, a 22, ns, as, as 22)
- 56 hanar/honor: as 22 (a, a 22, as)
-
- 57 hanar: ns (n, a, as)
honor: fs (f, g, gs)
- 58 hanar: as (a)
honor: gs (g)
- 59 hanar: ns 23 (n, a, n 23, n 22, a 23, a 22, ns, as, ns 22, as 23, as 22)
honor: fs 23 (f, g, f 23, f 22, g 23, g 22, fs, gs, fs 22, gs 23, gs 22)
- 60 hanar: ns 21 (n, a, n 25, n 23, n 22, a 25, a 23, a 25, ns, as, ns 25, ns 23, ns 22, as 25, as 23, as 22)
honor: fs 21 (f, g, f 25, f 23, f 22, g 25, g 23, g 22, fs, gs, fs 25, fs 23, fs 22, gs 25, gs 23, gs 22)
- 61 hanar: as 23 (a, a 23, a 22, as, as 22)
honor: gs 23 (g, g 23, g 22, gs, gs 22)
- 62 hanar: as 21 (a, a 25, a 23, a 22, as, as 25, as 23, as 22)
honor: gs 21 (g, g 25, g 23, g 22, gs, gs 25, gs 23, gs 22)
- 63 hanar: ns 22 (n, a, n 22, a 22, ns, as, as 22)
honor: fs 22 (f, g, f 22, g 22, fs, gs, gs 22)
- 64 hanar: as 22 (a, a 22, as)
honor: gs 22 (g, g 22, gs)
-
- 65 hanar: ns, ds (n, a, d, e, as, es)
honor: ns, fs (n, a, f, g, as, gs)
- 66 hanar: as, es (a, e)
honor: as, gs (a, g)
- 67 hanar: ns 23, ds 23 (n, a, n 23, n 22, a 23, a 22, d, e, d 23, d 22, e 23, e 22, ns, as, ns 22, as 23, as 22, ds, es, ds 22, es 23, es 22)
honor: ns 23, fs 23 (n, a, n 23, n 22, a 23, a 22, f, g, f 23, f 22, g 23, g 22, ns, as, ns 22, as 23, as 22, fs, gs, fs 22, gs 23, gs 22)
- 68 hanar: ns 21, ds 21 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, d, e, d 25, d 23, d 22, e 25, e 23, e 22, ns, as, ns 25, ns 23, ns 22, as 25, as 23, as 22, ds, es, ds 25, ds 23, ds 22, es 25, es 23, es 22)
honor: ns 21, fs 21 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, f, g, f 25, f 23, f 22, g 25, g 23, g 22, ns, as, ns 25, ns 23, ns 22, as 25, as 23, as 22, fs, gs, fs 25, fs 23, fs 22, gs 25, gs 23, gs 22)
- 69 hanar: as 23, es 23 (a, a 23, a 22, e, e 23, e 22, as, as 22, es, es 22)
honor: as 23, gs 23 (a, a 23, a 22, g, g 23, g 22, as, as 22, gs, gs 22)
- 70 hanar: as 21, es 21 (a, a 25, a 23, a 22, e, e 25, e 23, e 22, as, as 25, as 23, as 22, es, es 25, es 23, es 22)
honor: as 21, gs 21 (a, a 25, a 23, a 22, g, g 25, g 23, g 22, as, as 25, as 23, as 22, gs, gs 25, gs 23, gs 22)
- 71 hanar: ns 22, ds 22 (n, a, n 22, a 22, d, e, d 22, e 22, ns, as, as 22, ds, es, es 22)
honor: ns 22, fs 22 (n, a, n 22, a 22, f, g, f 22, g 22, ns, as, as 22, fs, gs, gs 22)
- 72 hanar: as 22, es 22 (a, a 22, e, e 22, as, es)
honor: as 22, gs 22 (a, a 22, g, g 22, as, gs)

- 73 hanar: ns, ds (n, a, d, e, as, es)
honor: ds, fs (d, e, f, g, es, gs)
- 74 hanar: as, es (a, e)
honor: gs, es (g, e)
- 75 hanar: ns 23, ds 23 (n, a, n 23, n 22, a 23, a 22, d, e, d 23, d 22, e 23, e 22, ns, as, ns 22, as 23, as 22, ds, es, ds 22, es 23, es 22)
honor: fs 23, ds 23 (f, g, f 23, f 22, g 23, g 22, d, e, d 23, d 22, e 23, e 22, fs, gs, fs 22, gs 23, gs 22, ds, es, ds 22, es 23, es 22)
- 76 hanar: ns 21, ds 21 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, d, e, d 25, d 23, d 22, e 25, e 23, e 22, ns, as, ns 25, ns 23, ns 22, as 25, as 23, as 22, ds, es, ds 25, ds 23, ds 22, es 25, es 23, es 22)
honor: fs 21, ds 21 (f, g, f 25, f 23, f 22, g 25, g 23, g 22, d, e, d 25, d 23, d 22, e 25, e 23, e 22, fs, gs, fs 25, fs 23, fs 22, gs 25, gs 23, gs 22, ds, es, ds 25, ds 23, ds 22, es 25, es 23, es 22)
- 77 hanar: as 23, es 23 (a, a 23, a 22, e, e 23, e 22, as, as 22, es, es 22)
honor: gs 23, es 23 (g, g 23, g 22, e, e 23, e 22, gs, gs 22, es, es 22)
- 78 hanar: as 21, es 21 (a, a 25, a 23, a 22, e, e 25, e 23, e 22, as, as 25, as 23, as 22, es, es 25, es 23, es 22)
honor: gs 21, es 21 (g, g 25, g 23, g 22, e, e 25, e 23, e 22, gs, gs 25, gs 23, gs 22, es, es 25, es 23, es 22)
- 79 hanar: ns 22, ds 22 (n, a, n 22, a 22, d, e, d 22, e 22, ns, as, as 22, ds, es, es 22)
honor: fs 22, ds 22 (f, g, f 22, g 22, d, e, d 22, e 22, fs, gs, gs 22, ds, es, es 22)
- 80 hanar: as 22, es 22 (a, a 22, e, e 22, as, es)
honor: gs 22, es 22 (g, g 22, e, e 22, es, gs)
- 81 hanar: ds (d, e, es)
honor: fs (f, g, gs)
- 82 hanar: es (e)
honor: gs (g)
- 83 hanar: ds 23 (d, e, d 23, d 22, e 23, e 22, ds, es, ds 22, es 23, es 22)
honor: fs 23 (f, g, f 23, f 22, g 23, g 22, fs, gs, fs 22, gs 23, gs 22)
- 84 hanar: ds 21 (d, e, d 25, d 23, d 22, e 25, e 23, e 22, ds, es, ds 25, ds 23, ds 22, es 25, es 23, es 22)
honor: fs 21 (f, g, f 25, f 23, f 22, g 25, g 23, g 22, fs, gs, fs 25, fs 23, fs 22, gs 25, gs 23, gs 22)
- 85 hanar: es 23 (e, e 23, e 22, es, es 22)
honor: gs 23 (g, g 23, g 22, gs, gs 22)
- 86 hanar: es 21 (e, e 25, e 23, e 22, es, es 25, es 23, es 22)
honor: gs 21 (g, g 25, g 23, g 22, gs, gs 25, gs 23, gs 22)
- 87 hanar: ds 22 (d, e, d 22, e 22, ds, es, es 22)
honor: fs 22 (f, g, f 22, g 22, fs, gs, gs 22)
- 88 hanar: es 22 (e, e 22, es)
honor: gs 22 (g, g 22, gs)
- 89 hanar/honor: ds (d, e, es)
- 90 hanar/honor: es (e)
- 91 hanar/honor: ds 23 (d, e, d 23, d 22, e 23, e 22, ds, es, ds 22, es 23, es 22)
- 92 hanar/honor: ds 21 (d, e, d 25, d 23, d 22, e 25, e 23, e 22, ds, es, ds 25, ds 23, ds 22, es 25, es 23, es 22)
- 93 hanar/honor: es 23 (e, e 23, e 22, es, es 22)
- 94 hanar/honor: es 21 (e, e 25, e 23, e 22, es, es 25, es 23, es 22)
- 95 hanar/honor: ds 22 (d, e, d 22, e 22, ds, es, es 22)
- 96 hanar/honor: es 22 (e, e 22, es)

- 97 hanar/honor: n 25 (n, a, n 23, n 22, a 25, a 23, a 22)
- 98 hanar/honor: a 25 (a, a 23, a 22)
- 99 hanar: n 25 (n, a, n 23, n 22, a 25, a 23, a 22)
honor: f 25 (f, g, f 23, f 22, g 25, g 23, g 22)
- 100 hanar: a 25 (a, a 23, a 22)
honor: g 25 (g, g 23, g 22)
- 101 hanar: n 25, d 25 (n, a, n 23, n 22, a 25, a 23, a 22, d, e, d 23, d 22, e 25, e 23, e 22)
honor: n 25, f 25 (n, a, n 23, n 22, a 25, a 23, a 22, f, g, f 23, f 22, g 25, g 23, g 22)
- 102 hanar: a 25, e 25 (a, a 23, a 22, e, e 23, e 22)
honor: a 25, g 25 (a, a 23, a 22, g, g 23, g 22)
- 103 hanar: n 25, d 25 (n, a, n 23, n 22, a 25, a 23, a 22, d, e, d 23, d 22, e 25, e 23, e 22)
honor: f 25, d 25 (f, g, f 23, f 22, g 25, g 23, g 22, d, e, d 23, d 22, e 25, e 23, e 22)
- 104 hanar: a 25, e 25 (a, a 23, a 22, e, e 23, e 22)
honor: g 25, e 25 (g, g 23, g 22, e, e 23, e 22)
- 105 hanar: d 25 (d, e, d 23, d 22, e 25, e 23, e 22)
honor: f 25 (f, g, f 23, f 22, g 25, g 23, g 22)
- 106 hanar: e 25 (e, e 23, e 22)
honor: g 25 (g, g 23, g 22)
- 107 hanar/honor: d 25 (d, e, d 23, d 22, e 25, e 23, e 22)
- 108 hanar/honor: e 25 (e, e 23, e 22)
- 109 hanar/honor: ns 25 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, ns, as, ns 23, ns 22, as 25, as 23, as 22)
- 110 hanar/honor: as 25 (a, a 25, a 23, a 22, as, as 23, as 22)
- 111 hanar: ns 25 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, ns, as, ns 23, ns 22, as 25, as 23, as 22)
honor: fs 25 (f, g, f 25, f 23, f 22, g 25, g 23, g 22, fs, gs, fs 23, fs 22, gs 25, gs 23, gs 22)
- 112 hanar: as 25 (a, a 25, a 23, a 22, as, as 23, as 22)
honor: gs 25 (g, g 25, g 23, g 22, gs, gs 23, gs 22)
- 113 hanar: ns 25, ds 25 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, d, e, d 25, d 23, d 22, e 25, e 23, e 22, ns, as, ns 23, ns 22, as 25, as 23, as 22, ds, es, ds 23, ds 22, es 25, es 23, es 22)
honor: ns 25, fs 25 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, f, g, f 25, f 23, f 22, g 25, g 23, g 22, ns, as, ns 23, ns 22, as 25, as 23, as 22, fs, gs, fs 23, fs 22, gs 25, gs 23, gs 22)
- 114 hanar: as 25, es 25 (a, a 25, a 23, a 22, e, e 25, e 23, e 22, as, as 23, as 22, es, es 23, es 22)
honor: as 25, gs 25 (a, a 25, a 23, a 22, g, g 25, g 23, g 22, as, as 23, as 22, gs, gs 23, gs 22)
- 115 hanar: ns 25, ds 25 (n, a, n 25, n 23, n 22, a 25, a 23, a 22, d, e, d 25, d 23, d 22, e 25, e 23, e 22, ns, as, ns 23, ns 22, as 25, as 23, as 22, ds, es, ds 23, ds 22, es 25, es 23, es 22)
honor: fs 25, ds 25 (f, g, f 25, f 23, f 22, g 25, g 23, g 22, d, e, d 25, d 23, d 22, e 25, e 23, e 22, fs, gs, fs 23, fs 22, gs 25, gs 23, gs 22, ds, es, ds 23, ds 22, es 25, es 23, es 22)
- 116 hanar: as 25, es 25 (a, a 25, a 23, a 22, e, e 25, e 23, e 22, as, as 23, as 22, es, es 23, es 22)
honor: gs 25, es 25 (g, g 25, g 23, g 22, e, e 25, e 23, e 22, gs, gs 23, gs 22, es, es 23, es 22)
- 117 hanar: ds 25 (d, e, d 25, d 23, d 22, e 25, e 23, e 22, ds, es, ds 23, ds 22, es 25, es 23, es 22)
honor: fs 25 (f, g, f 25, f 23, f 22, g 25, g 23, g 22, fs, gs, fs 23, fs 22, gs 25, gs 23, gs 22)
- 118 hanar: es 25 (e, e 25, e 23, e 22, es, es 23, es 22)
honor: gs 25 (g, g 25, g 23, g 22, gs, gs 23, gs 22)
- 119 hanar/honor: ds 25 (d, e, d 25, d 23, d 22, e 25, e 23, e 22, ds, es, ds 23, ds 22, es 25, es 23, es 22)
- 120 hanar/honor: es 25 (e, e 25, e 23, e 22, es, es 23, es 22)